

**NINETEENTH ANNUAL REPORT**

— OF THE —

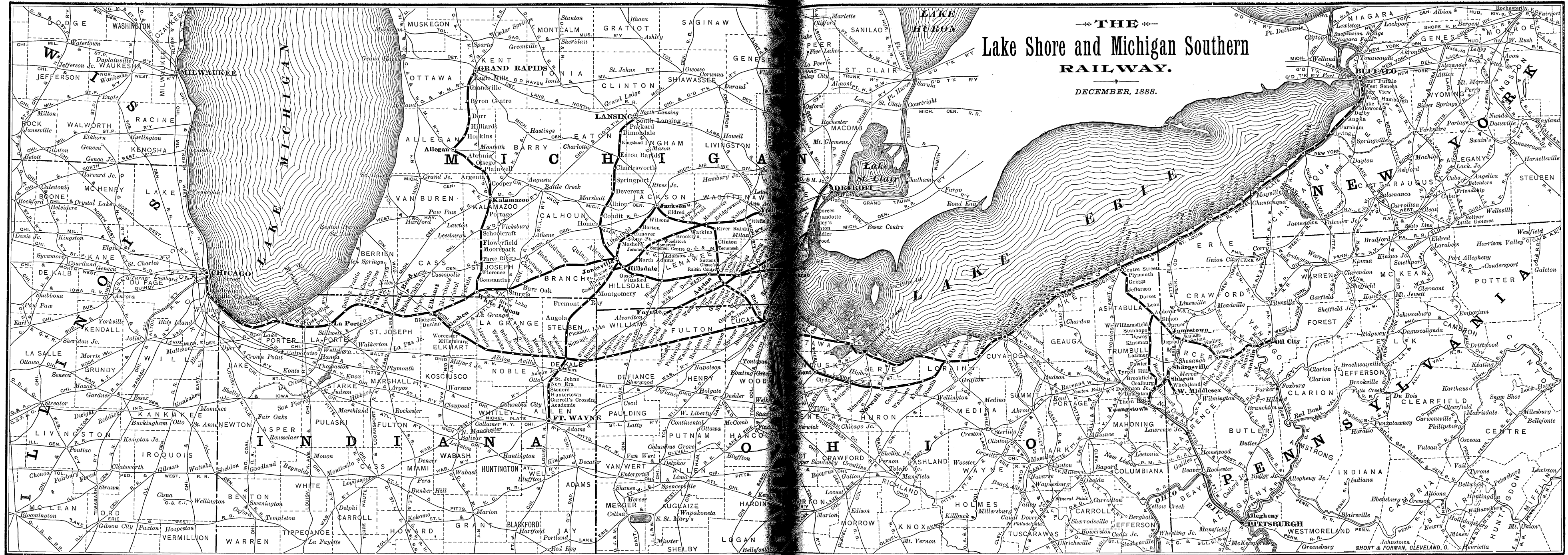
**LAKE SHORE & MICHIGAN SOUTHERN**

**RAILWAY COMPANY.**



**WITH MAP.**





NINETEENTH ANNUAL REPORT

OF THE

BOARD OF DIRECTORS

OF THE

Lake Shore & Michigan Southern

Railway Company

TO THE

STOCKHOLDERS

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1888.

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CLEVELAND, O.:

SHORT & FORMAN, PRINTERS AND STATIONERS.  
1889.



ORGANIZATION  
OF THE  
**Lake Shore & Michigan Southern**  
RAILWAY COMPANY.

MAY 1, 1889.

**ANNUAL MEETING FIRST WEDNESDAY IN MAY, AT CLEVELAND, O.**

DIRECTORS. (13.)

WILLIAM K. VANDERBILT.....	NEW YORK.
CORNELIUS VANDERBILT.....	NEW YORK.
FREDERICK W. VANDERBILT.....	NEW YORK.
SAMUEL F. BARGER.....	NEW YORK.
JOHN E. BURRILL.....	NEW YORK.
DARIUS O. MILLS.....	NEW YORK.
EDWIN D. WORCESTER.....	NEW YORK.
WILLIAM L. SCOTT.....	ERIE, PA.
CHARLES M. REED.....	ERIE, PA.
RASSELAS BROWN.....	WARREN, PA.
JOHN NEWELL.....	CLEVELAND.
JEPHTHA H. WADE.....	CLEVELAND.
JOHN DEKOVEN.....	CHICAGO.

OFFICERS.

	OFFICE.
CHAIRMAN OF THE BOARD.....	WILLIAM K. VANDERBILT..... NEW YORK.
PRES'T AND GEN'L MANAGER.....	JOHN NEWELL..... CLEVELAND.
VICE PRES'T, TREAS. AND SEC'Y.....	EDWIN D. WORCESTER..... NEW YORK.
ASSISTANT TREASURER.....	DWIGHT W. PARDEE..... NEW YORK.
LOCAL TREAS. AND ASS'T SEC'Y.....	NICHOLAS BARTLETT..... CLEVELAND.
ASS'T GEN'L MANAGER.....	JAMES E. CHILDS..... CLEVELAND.
ASSISTANT TO PRESIDENT.....	ADDISON HILLS..... CLEVELAND.
AUDITOR.....	CYRUS P. LELAND..... CLEVELAND.
GENERAL COUNSEL.....	GEORGE C. GREENE..... CLEVELAND.
ASS'T GEN'L COUNSEL.....	O. G. GETZEN-DANNER..... CLEVELAND.
GENERAL SUPERINTENDENT.....	PHINEAS P. WRIGHT..... CLEVELAND.
GENERAL FREIGHT AGENT.....	JOHN T. R. MCKAY..... CLEVELAND.
ASS'T GEN'L FREIGHT AGENT.....	J. G. JAMES..... CLEVELAND.
ASS'T GEN'L FREIGHT AGENT.....	M. S. CHASE..... CHICAGO.
GEN'L PASSENGER AGENT.....	A. J. SMITH..... CLEVELAND.
GEN'L TICKET AGENT.....	
ASS'T GEN'L PASSENGER AND TICKET AGENT.....	E. C. LUCE..... CLEVELAND.
CHIEF ENGINEER.....	G. H. KIMBALL..... CLEVELAND.
SUP'T MOTIVE POWER.....	G. W. STEVENS..... CLEVELAND.
MASTER CAR BUILDER.....	JOHN KIRBY..... CLEVELAND.
PURCHASING AGENT.....	L. C. HIGGINS..... CLEVELAND.

GENERAL OFFICES.....CLEVELAND.  
NEW YORK OFFICE, Room 47 Grand Central Depot.....NEW YORK.

NEW YORK OFFICE,	{	Transfers Stock.
	{	Pays Dividends.
	{	Pays coupon interest on bonds.
UNION TRUST CO.	{	Registrar of Stock.
OF NEW YORK.	{	Transfers registered bonds.
	{	Pays interest on registered bonds.



# REPORT.

The Board of Directors of the LAKE SHORE & MICHIGAN SOUTHERN RAILWAY COMPANY submit to the Stockholders the following report for the year ending December 31, 1888:

## ROAD OPERATED.

Main Line—Buffalo, N. Y., to Chicago, Ill.....	540.49 miles.
Five L. S. & M. S. R'y branches.....	318.66 “
Total miles Lake Shore & Michigan Southern R'y.....	859.15 miles.
Four proprietary roads, owned wholly by Lake Shore & Michigan Southern R'y Co., but under other organizations.....	167.81 miles.
Five leased roads .....	314.81 “
Total miles road operated .....	1,341.77 miles.

With 273 miles second track and 598.10 miles side tracks, making in all 2,212.87 miles of track, of which 1,847.79—83½ per cent.—are laid with steel, an increase of 113.79 miles in 1888.

Complete details of road operated, where located, etc., may be found in a Chief Engineer's table on subsequent pages.

## CONSTRUCTION AND EQUIPMENT.

These accounts still stand at \$84,000,000, as shown in the balance sheet. Nothing has been charged to these accounts since 1883. All betterments in 1884, 1885, 1886, 1887 and 1888 were charged to operating expenses or income account.

## CAPITAL STOCK.

The Capital Stock of the Company is \$50,000,000, to-wit:

Guaranteed (10 per cent.).....	5,335 Shares—\$100.....	\$ 533,500
Ordinary .....	494,665 Shares— 100.....	49,466,500
	500,000 Shares—\$100.....	\$50,000,000

Of the ordinary stock, the Company owns \$268,100, as stated in the balance sheet.



## FUNDED DEBT.

The funded debt was reduced, in 1888, \$250,000, the regular contribution to the sinking fund of the first consolidated mortgage—one per cent. of \$25,000,000.

On July 1st, 1888, there became due \$840,000 in eight per cent. bonds of the Kalamazoo, Allegan & Grand Rapids Railroad Company, whose line is leased to this company under a guaranty to pay or renew the bonds mentioned. They were renewed for fifty years at five per cent., making an annual saving, in interest, of \$25,200.

The total funded debt is now \$45,192,000, as stated in detail on page 16.

## EARNINGS.

	1888.	1887.
From Freight.....	\$11,629,174.17	\$12,547,923.25
From Passengers .....	4,810,147.48	4,650,653.59
From Mails.....	852,388.99	775,548.81
From Express .....	415,163.65	413,265.20
From all other sources.....	322,753.07	323,572.30
<b>TOTAL</b> .....	<b>\$18,029,627.36</b>	<b>\$18,710,963.15</b>
Operating expenses and taxes.....	11,310,371.19	11,029,798.17
Per cent.....	62.73	58.95
<b>NET EARNINGS</b> .....	<b>\$ 6,719,256.17</b>	<b>\$ 7,681,164.98</b>
Decrease in gross earnings.....	\$ 681,335.79	3.64 per cent.
Increase in operating expenses.....	280,573.02	2.54 “
Decrease in net earnings.....	961,908.81	12.52 “

## DISPOSITION OF NET EARNINGS—1888.

Net earnings, 1888.....	\$6,719,256.17
Deduct:	
Interest on funded debt.....	\$3,257,515.00
Rentals—six branch roads.....	517,418.23
Dividends—ten per cent. on guaranteed stock.....	53,350.00
	<b>\$3,828,283.23</b>
Less interest and dividends on assets.....	219,892.35
	<b>\$3,608,390.88</b>
Surplus earnings—equals \$6.29 per share of stock.....	<b>\$3,110,865.29</b>
Paid dividends—five per cent.....	<b>2,473,325.00</b>
<b>SURPLUS</b> .....	<b>\$ 637,540.29</b>
Deduct amount charged off in settlement sundry accounts.....	75,210.65
Balance transferred to credit of profit and loss, 1888.....	<b>\$ 562,329.64</b>
Add amount to credit of profit and loss December 31st, 1887.....	<b>10,087,472.03</b>
<b>BALANCE TO CREDIT OF PROFIT AND LOSS DEC. 31ST, 1888</b> .....	<b>\$10,649,801.67</b>

The financial results, also the freight and passenger statistics, condensed, for nineteen years, are grouped together on the next page.

## EARNINGS, EXPENSES, &amp;c.

A

1870-1888, NINETEEN YEARS.

Year.	Miles.	Gross Earnings.	OPERATING EXPENSES.		Net Earnings.	Fixed Charges.	DIVIDENDS per share of \$100.	
			Amount.	Per cent.			Earned.	Paid.
1870.....	1013	\$13,509,236	\$ 8,368,821	61.95	\$5,140,415	\$1,828,897	\$9 60	\$8 00
1871.....	1074	14,898,449	9,779,806	65.64	5,118,643	2,121,164	8 37	8 00
1872.....	1136	17,699,935	11,889,526	66.90	5,860,409	2,201,459	8 55	8 00
1873.....	1177	19,414,509	13,746,598	70.90	5,667,911	2,654,560	6 10	4 00
1874.....	1177	17,146,131	11,152,371	65.04	5,993,760	3,008,193	6 04	3 25
1875.....	1177	14,434,199	10,531,501	72.96	3,902,698	2,810,294	2 20	2 00
1876.....	1177	13,949,177	9,574,836	68.64	4,374,341	2,759,989	3 26	3 25
1877.....	1177	13,505,159	8,963,966	66.37	4,541,193	2,775,657	3 57	2 00
1878.....	1177	13,979,766	8,486,601	60.70	5,493,165	2,718,792	5 61	4 00
1879.....	1177	15,271,492	8,934,524	58.50	6,336,968	2,754,988	7 24	6 50
1880.....	1177	18,749,461	10,418,105	55.56	8,331,356	2,750,374	11 28	8 00
1881.....	1177	17,971,391	11,278,429	62.76	6,692,962	2,725,375	8 02	8 00
1882.....	1274	18,225,639	11,057,807	60.67	7,167,832	3,027,000	8 37	8 00
1883.....	1340	18,513,656	11,001,854	59.43	7,511,802	3,498,806	8 11	8 00
1884.....	1340	14,843,584	9,133,522	61.53	5,710,062	3,720,670	4 02	5 00
1885.....	1340	14,133,506	9,287,537	65.71	4,845,969	3,867,456	1 98	-----
1886.....	1340	15,859,455	9,731,622	61.36	6,127,833	3,712,978	4 88	2 00
1887.....	1340	18,710,963	11,029,798	58.95	7,681,165	3,649,645	8 15	4 00
1888.....	1342	18,029,627	11,310,371	62.73	6,719,256	3,608,391	6 29	5 00

B

## FREIGHT.

Year.	Tons.	Average Miles Hauled.	Tons One Mile.	Revenue.	Receipt per ton per Mile.	Cost per ton per mile.	Profit per ton per mile.
1870.....	2,978,725	192.7	574,035,571	\$ 8,746,126	Cent. 1.504	.932	.572
1871.....	3,784,525	193.9	723,670,696	10,341,218	1.391	.913	.478
1872.....	4,443,092	208.2	924,844,140	12,824,862	1.374	.920	.454
1873.....	5,176,661	203.6	1,053,927,189	14,192,399	1.335	.946	.389
1874.....	5,221,267	191.4	999,342,081	11,918,350	1.180	.767	.413
1875.....	5,022,490	187.8	943,236,161	9,639,038	1.010	.737	.273
1876.....	5,635,167	201.2	1,133,834,828	9,405,629	.817	.561	.256
1877.....	5,513,398	195.9	1,080,005,561	9,476,608	.864	.573	.291
1878.....	6,098,445	219.8	1,340,467,821	10,048,952	.734	.474	.260
1879.....	7,541,294	229.9	1,733,423,440	11,288,261	.642	.398	.244
1880.....	8,350,336	221.7	1,851,166,018	14,077,294	.750	.435	.315
1881.....	9,164,508	220.6	2,021,775,468	12,659,987	.617	.414	.203
1882.....	9,195,538	205.8	1,892,868,224	12,022,577	.628	.413	.215
1883.....	8,478,605	199.3	1,689,512,415	12,480,094	.728	.452	.276
1884.....	7,365,688	191.5	1,410,545,674	9,358,816	.652	.426	.226
1885.....	8,023,093	199.7	1,602,567,035	9,031,417	.553	.399	.154
1886.....	8,305,597	191.7	1,592,044,766	10,829,625	.639	.410	.229
1887.....	9,326,852	197.7	1,843,785,896	12,547,923	.670	.418	.252
1888.....	9,069,857	198.4	1,799,104,045	11,629,174	.636	.430	.206

C

## PASSENGERS.

Year.	Number Passengers Carried.	Average Distance.	Passengers One Mile.	Revenue.	Receipt per Passenger per mile.	Cost per Passenger per mile.	Profit per Passenger per mile.
1870.....	2,065,440	77	160,500,114	\$4,192,960	Cent. 2.612	1.708	Cent. .904
1871.....	2,046,428	70	142,684,243	4,006,724	2.808	1.939	.869
1872.....	2,212,754	74	162,308,495	4,218,543	2.599	1.814	.785
1873.....	2,845,163	63	179,363,173	4,569,730	2.542	1.878	.664
1874.....	3,096,263	56	173,224,572	4,249,022	2.452	1.678	.774
1875.....	3,170,234	52	164,950,861	3,922,798	2.378	1.824	.554
1876.....	3,119,923	56	175,510,501	3,664,148	2.090	1.515	.575
1877.....	2,742,295	50	138,116,618	3,203,200	2.319	1.647	.672
1878.....	2,746,032	49	133,702,021	3,057,393	2.287	1.276	1.012
1879.....	2,822,121	50	141,162,317	3,138,003	2.223	1.174	1.049
1880.....	3,313,485	53	176,148,767	3,761,008	2.135	1.086	1.049
1881.....	3,682,006	56½	207,953,215	4,134,788	1.988	1.120	.868
1882.....	4,118,832	55	227,098,958	4,897,185	2.157	1.166	.991
1883.....	3,909,356	55	215,715,155	4,736,088	2.196	1.278	.818
1884.....	3,629,196	52½	190,503,852	4,133,729	2.170	1.254	.916
1885.....	3,479,274	51	176,830,308	3,639,375	2.058	1.250	.808
1886.....	3,715,508	51½	191,593,135	4,020,550	2.098	1.301	.797
1887.....	3,752,840	55	205,761,459	4,650,654	2.260	1.255	1.005
1888.....	4,051,704	52	210,107,098	4,810,148	2.289	1.301	.988

A comparison of the gross earnings in 1888 with 1887 shows the following results :

Decrease in freight earnings.....	7.32 per cent.....	\$918,749
Increase in passenger earnings.....	3.43 per cent.....	159,494
Increase in all other earnings.....	5.15 per cent.....	77,919
Net decrease in gross earnings.....	3.64 per cent.....	\$681,336

The decrease in freight earnings was caused chiefly by a lower average rate per ton per mile, being cent 0.6355 in 1888 as against cent 0.6700 in 1887, resulting in a loss, in earnings, of \$621,230. The balance of the decrease in freight earnings, \$297,519, was caused by a slight (2.76 per cent.) falling off in tonnage.

The increase in earnings from passengers was caused by both a slight increase in the average rate of fare and in the passengers carried.

## OPERATING EXPENSES.

The per cent. of operating expenses, including all taxes and improvements, was 62.73 in 1888 as against 58.95 in 1887.

The reduction of grades on the Western and Air Line Divisions was completed. It was also commenced on the Sandusky Division. . Between Chicago and Toledo, via Air Line, the maximum grade is now sixteen feet per mile, in both directions, except at Otis, Ind., where one auxiliary locomotive now enables all east-bound freight trains to ascend the grade.

The double track was extended from Colehour to Whittings (Western Division) three miles.

The usual tabular statements, showing the details of the business of the year, and the condition of the Company at its close, are appended hereto.

*JOHN NEWELL,*  
PRESIDENT.

*W. K. VANDERBILT,*  
CHAIRMAN.

CLEVELAND, O., May 1st. 1889.

## LAKE SHORE &amp; MICHIGAN SOUTHERN RAILWAY COMPANY.

EARNINGS.	Per Cent.	1888.	1887.	Per Cent.
From Freight.....	<b>64.50</b>	\$11,629,174.17	\$12,547,923.25	<b>67.07</b>
" Passengers .....	<b>26.68</b>	4,810,147.48	4,650,653.59	<b>24.86</b>
" Express .....	<b>2.30</b>	415,163.65	413,265.20	<b>2.20</b>
" Mails.....	<b>4.73</b>	852,388.99	775,548.81	<b>4.14</b>
" Rents.....	<b>1.21</b>	217,626.84	209,877.89	<b>1.12</b>
" All other sources.....	<b>.58</b>	105,126.23	113,694.41	<b>.61</b>
<b>TOTAL EARNINGS .....</b>	<b>100.</b>	<b>\$18,029,627.36</b>	<b>\$18,710,963.15</b>	<b>100.</b>
EXPENSES.	Per Cent. of Earnings.	1888.	1887.	Per Cent. of Earnings.
Salaries, general officers and clerks.....	<b>1.95</b>	\$ 351,413.86	\$ 341,710.50	<b>1.83</b>
Law expenses.....	<b>.31</b>	55,912.61	47,756.25	<b>.25</b>
Stationery and printing.....	<b>.60</b>	107,688.75	92,606.96	<b>.49</b>
Outside agencies and advertising .....	<b>1.14</b>	205,666.75	204,664.73	<b>1.10</b>
Contingencies.....	<b>.18</b>	33,249.22	52,066.31	<b>.28</b>
Repairs bridges, (inc. culverts and cattle guards) .....	<b>1.11</b>	200,640.79	164,304.72	<b>.88</b>
Repairs buildings and fixtures.....	<b>2.01</b>	362,722.66	292,998.23	<b>1.57</b>
Repairs fences, road crossings and signs.....	<b>.45</b>	81,772.47	83,824.31	<b>.44</b>
Rail renewals.....	<b>1.42</b>	255,608.08	204,293.61	<b>1.09</b>
Tie renewals.....	<b>1.90</b>	340,382.33	283,202.28	<b>1.51</b>
Repairs roadway and track .....	<b>6.98</b>	1,259,368.17	1,050,461.46	<b>5.61</b>
Repairs locomotives.....	<b>3.58</b>	645,953.58	798,625.57	<b>4.27</b>
Fuel for locomotives.....	<b>4.57</b>	825,226.10	736,274.84	<b>3.99</b>
Water supply.....	<b>.32</b>	58,120.26	51,921.08	<b>.28</b>
Oil and waste.....	<b>.38</b>	68,668.23	77,556.49	<b>.41</b>
Locomotive service.....	<b>6.31</b>	1,137,521.85	1,026,943.13	<b>5.49</b>
Repairs passenger cars.....	<b>.97</b>	174,438.29	195,358.41	<b>1.04</b>
Passenger train service.....	<b>1.28</b>	230,442.15	261,830.56	<b>1.40</b>
Passenger train supplies.....	<b>.08</b>	13,804.97	23,075.86	<b>.12</b>
Repairs freight cars.....	<b>3.55</b>	640,359.02	1,001,028.73	<b>5.35</b>
Freight train service.....	<b>3.01</b>	542,098.48	509,820.27	<b>2.67</b>
Freight train supplies.....	<b>.03</b>	5,050.29	15,185.87	<b>.08</b>
Telegraph expenses (maintaining and operating).....	<b>1.65</b>	296,534.58	293,140.62	<b>1.57</b>
Damage and loss to freight and baggage.....	<b>.35</b>	63,835.09	34,919.49	<b>.19</b>
Damage to property (including cattle).....	<b>.14</b>	24,675.35	29,813.00	<b>.16</b>
Personal injuries .....	<b>.34</b>	60,927.75	38,186.39	<b>.20</b>
Agents and station service.....	<b>11.47</b>	2,068,257.25	1,981,318.48	<b>10.59</b>
Station supplies .....	<b>.28</b>	50,350.12	62,859.22	<b>.34</b>
Rents payable.....	<b>.59</b>	107,068.78	97,288.67	<b>.52</b>
Hire of cars.....	<b>3.11</b>	560,390.11	500,505.25	<b>2.68</b>
<b>TOTAL OPERATING EXPENSES .....</b>	<b>60.06</b>	<b>\$10,828,147.94</b>	<b>\$10,553,541.29</b>	<b>56.40</b>
Taxes.....	<b>2.67</b>	482,223.25	476,256.88	<b>2.55</b>
<b>TOTAL OPERATING EXPENSES AND TAXES.....</b>	<b>62.73</b>	<b>\$11,310,371.19</b>	<b>\$11,029,798.17</b>	<b>58.95</b>
<b>NET EARNINGS.....</b>	<b>37.27</b>	<b>6,719,256.17</b>	<b>7,681,164.98</b>	<b>41.05</b>
	<b>100.</b>			<b>100.</b>

## INCOME ACCOUNT—1888.

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Credit balance December 31st, 1887.....	\$10,087,472.03
Surplus earnings, 1888, after payment dividends, five per cent.....	637,540.29
	<hr/>
	\$10,725,012.32
Less amount written off in settlement sundry accounts .....	75,210.65
	<hr/>
Balance to credit income account December 31st, 1888.....	\$10,649,801.67

# THE LAKE SHORE & MICHIGAN SOUTHERN RAILWAY COMPANY.

## Condensed Balance Sheet, December 31st, 1888.

### ASSETS.

Lake Shore & Michigan Southern Railway and Branches.....859.15 miles.....	\$ 66,700,000 00	
Equipment, 525 Locomotives, 17,774 Cars.....	17,300,000 00	\$ 84,000,000 00
Detroit, Monroe & Toledo Railroad.....62.36 miles.....	\$ 1,381,600 00	
White Pigeon and Kalamazoo Railroad.....36.57 ".....	610,000 00	
Northern Central Michigan Railroad.....61.14 ".....	1,387,000 00	3,348,600 00
Jamestown & Franklin Railroad, 51 miles—		
Advances to December 31st, 1888.....	\$ 1,226,120 42	
First Mortgage Bonds (\$248,000).....	215,300 00	
Second Mortgage Bonds (\$482,000).....	449,100 00	
Stock (\$400,000).....	320,000 00	2,210,520 42
Sharon Branch, advances on account of construction.....		276,141 53

### STOCKS.

New York, Chicago & St. Louis Railroad.....	\$2,503,000 First Preferred } 6,275,000 Second " } 6,240,000 Common }.....	\$ 8,447,746 94	
Pittsburgh & Lake Erie Railroad (stock 18,510 shares and \$92,550 scrip).....		2,141,111 18	
Detroit & Chicago Railroad, formerly Chicago & Canada Southern (\$1,000,000 stock).....		942,643 90	
Cleveland, Lorain & Wheeling Railroad.....	\$774,400 Preferred } 169,100 Common }	752,800 00	
Merchants' Despatch Transportation Company.....		575,700 00	
Cincinnati, Wabash & Michigan Railway (4,700 shares).....		437,000 00	
Detroit, Monroe & Toledo Railroad (4,140 shares).....		414,110 00	
Lake Shore & Michigan Southern Railway (2,681 shares).....		268,100 00	
Mahoning Coal Railroad.....	2,753 shares, Preferred } 15,092 " Common }	250,735 00	
Pittsburgh & Wheeling Coal Company.....		22,681 75	
Capital advanced to Co-operative Despatch Lines.....		22,401 44	
Union Steel Company.....		3,189 34	14,278,219 55
Pacific Hotel Company, Chicago.....			336,200 24
Cash.....	\$ 3,267,011 33		
Uncollected earnings (collected since January 1st).....	403,958 80		3,670,970 13
General office property and other real estate.....			351,736 19
Supplies—rails, fuel, etc.....			634,545 21
Valley Railway, Cleveland—advances (interest 6 per cent.).....			276,605 63
			<b>\$109,383,538 90</b>

# THE LAKE SHORE & MICHIGAN SOUTHERN RAILWAY COMPANY,

Condensed Balance Sheet, December 31st, 1888.

## LIABILITIES.

Capital stock (\$533,500 ten per cent. guaranteed).....	\$ 50,000,000 00
Funded debt—	
Lake Shore & Michigan Southern Railway.....	45,192,000 00
Detroit, Monroe & Toledo Railroad.....	924,000 00
Kalamazoo & White Pigeon Railroad.....	400,000 00
December pay rolls and vouchers (paid in January).....	\$ 707,067 23
Dividends—	
Guaranteed stock, 5 per cent. February 1st, 1889.....	26,675 00
Common stock, No. 40, 2 per cent. regular, and 1 per cent. additional,	
3 per cent. February 15th, 1889.....	1,483,995 00
	2,217,737 23
Total Liabilities.....	\$ 98,733,737 23
Income account, December 31st, 1888.....	10,649,801 67

## COMPARISON.

Total assets December 31st, 1888.....	\$109,383,538 90
Total assets December 31st, 1887.....	108,780,946 41
Increase.....	602,592 49
Total liabilities December 31st, 1888.....	98,733,737 23
Total liabilities December 31st, 1887.....	98,693,474 38
Increase.....	40,262 85
Assets increased.....	602,592 49
Liabilities increased.....	40,262 85
	\$562,329 64

## INCOME ACCOUNT.

December 31st, 1888.....	\$10,649,801 67
December 31st, 1887.....	10,087,472 03
	\$562,329 64

**\$109,383,538 90**



## LAKE SHORE &amp; MICHIGAN SOUTHERN RAILWAY CO.

## EARNINGS AND EXPENSES IN DETAIL, 1888.

EARNINGS.	January.	February.	March.	April.	May.
From Freight.....	974,942 71	939,922 11	1,025,951 80	971,930 76	921,416 04
“ Passengers.....	309,575 79	315,061 62	361,548 33	366,511 45	391,977 36
“ Express.....	24,786 89	26,706 00	32,904 58	34,989 76	35,617 66
“ Mails.....	63,631 87	63,631 87	60,611 62	63,626 87	63,626 87
“ Rents.....	16,401 93	19,146 41	13,632 26	21,049 53	17,487 58
“ All other sources.....	10,213 72	9,535 18	11,293 11	9,288 92	10,107 44
Total Earnings.....	1,399,552 91	1,374,003 19	1,505,941 70	1,467,397 29	1,440,232 95
EXPENSES.					
Salaries, general officers and clerks.....	29,443 90	30,158 76	28,996 58	28,961 21	28,888 49
Law expenses.....	4,478 42	2,428 20	7,865 97	2,449 77	3,851 84
Stationery and printing.....	9,267 62	8,013 35	9,113 38	7,572 67	12,717 29
Outside agencies and advertising.....	19,162 44	16,037 09	18,546 14	16,360 76	13,351 54
Contingencies.....	3,922 78	1,674 66	2,376 51	2,488 38	1,846 52
Repairs bridges, culverts and cattle guards.....	19,889 39	6,131 71	2,296 18	26,520 58	11,448 23
Repairs buildings and fixtures.....	16,818 35	20,843 83	26,585 11	34,297 16	24,183 47
Repairs fences, road crossings and signs.....	8,112 16	1,075 24	4,356 08	8,830 04	9,752 64
Rail renewals.....					
Tie renewals.....	31,002 70	50,557 60	33,953 67	45,410 49	50,758 47
Repairs roadway and track.....	43,497 51	63,287 45	62,394 35	92,689 53	119,807 80
Repairs locomotives.....	60,429 55	53,857 49	68,068 93	52,086 81	57,301 76
Fuel for locomotives.....	90,103 03	71,315 68	69,060 90	58,324 46	55,122 58
Water supply.....	3,380 79	3,402 97	8,010 62	2,523 33	4,228 14
Oil and waste.....	6,985 46	6,420 76	4,349 77	3,675 12	4,054 40
Locomotive service.....	100,683 87	88,493 37	91,788 32	88,462 74	89,412 79
Repairs passenger cars.....	12,828 89	21,736 53	32,794 00	18,043 86	16,608 85
Passenger train service.....	18,745 08	18,731 23	18,734 92	18,563 64	18,933 01
Passenger train supplies.....	783 93	3,005 11	2,826 88	873 59	962 70
Repairs freight cars.....	47,276 81	57,515 71	46,656 20	45,318 84	40,881 72
Freight train service.....	52,412 66	43,558 47	45,011 56	42,224 91	39,486 78
Freight train supplies.....	665 79	205 72	9 61	151 74	225 83
Telegraph expenses (maintaining and operating).....	24,960 70	23,905 20	24,960 09	24,243 60	24,939 62
Damage and loss to freight and baggage.....	7,418 49	4,880 24	2,931 69	6,275 24	7,544 35
Damage to property, including cattle.....	1,316 29	3,549 54	8,590 50	882 22	1,798 88
Personal injuries.....	1,390 15	11,339 57	7,356 54	5,437 09	1,959 14
Agents and station service.....	173,903 70	174,788 64	176,907 29	166,293 67	168,966 23
Station supplies.....	8,862 33	5,279 56	5,064 80	2,552 30	588 15
Rents payable.....	8,730 04	7,215 56	12,538 11	8,871 77	12,868 64
Hire of cars.....	45,129 46	43,818 52	45,862 28	45,737 47	42,415 61
Total Operating Expenses.....	851,602 29	843,227 76	868,006 98	856,122 99	864,905 47
Taxes.....	40,000 00	40,000 00	40,000 00	40,000 00	40,000 00
Total Operating Expenses and Taxes.....	891,602 29	883,227 76	908,006 98	896,122 99	904,905 47
Net Earnings.....	507,950 62	490,775 43	597,934 72	571,274 30	535,327 48
FIXED CHARGES.....	300,000 00	300,000 00	300,000 00	300,000 00	300,000 00
SURPLUS.....	207,950 62	190,775 43	297,934 72	271,274 30	235,327 48

## LAKE SHORE &amp; MICHIGAN SOUTHERN RAILWAY CO.

## EARNINGS AND EXPENSES IN DETAIL, 1888.

June.	July.	August.	September.	October.	November.	December.	TOTAL.
915,197 84	839,878 00	1,017,970 79	993,533 51	1,110,024 02	954,865 17	963,541 42	11,629,174 17
435,409 87	439,204 04	478,905 20	491,802 55	450,441 59	363,905 80	405,803 88	4,810,147 48
33,397 84	29,449 59	32,904 88	41,903 85	42,602 61	39,783 19	40,116 80	415,163 65
67,528 15	80,725 08	80,725 09	77,290 36	80,460 74	80,460 74	70,069 73	852,388 99
22,059 72	21,405 23	13,549 42	17,343 91	18,526 56	14,574 04	22,450 25	217,626 84
7,177 79	8,426 75	6,509 83	9,322 47	8,131 01	8,614 29	6,505 72	105,126 23
1,480,771 21	1,419,088 69	1,630,565 21	1,631,196 65	1,710,186 53	1,462,203 23	1,508,487 80	18,029,627 36
29,552 68	28,916 42	29,114 83	29,367 12	29,206 48	28,975 90	29,831 49	351,413 86
7,333 99	2,986 88	2,582 68	5,369 74	4,996 16	9,231 76	2,337 20	55,912 61
8,317 36	5,584 01	9,021 29	9,306 16	9,664 57	8,915 46	10,195 59	107,688 75
20,211 44	17,501 35	16,796 19	16,159 46	19,450 93	15,960 37	16,129 04	205,666 75
5,286 51	1,833 58	1,503 76	1,501 77	2,217 02	6,561 25	1,936 48	33,249 22
16,506 18	18,957 69	12,081 82	4,975 67	26,492 12	25,785 32	29,605 90	200,640 79
9,934 01	32,247 99	47,139 17	27,480 41	28,188 06	19,060 35	75,944 75	362,722 66
12,017 70	5,404 25	8,136 21	5,447 81	7,820 05	4,935 26	5,885 03	81,772 47
-----	50,000 00	50,000 00	50,000 00	50,000 00	50,000 00	5,608 08	255,608 08
37,509 68	55,745 91	34,568 73	875 08	-----	-----	-----	340,382 33
133,451 55	116,847 80	155,289 32	129,369 58	118,793 19	109,292 48	114,647 61	1,259,368 17
53,329 00	50,129 68	53,276 05	52,831 71	64,338 53	58,166 11	22,137 96	645,953 58
47,235 59	58,759 00	57,029 30	57,686 45	74,030 21	85,290 85	101,268 05	825,226 10
4,653 90	3,343 43	3,461 99	4,145 68	7,308 78	4,748 15	8,912 48	58,120 26
4,440 99	4,667 56	4,266 37	6,509 48	7,347 35	8,080 91	7,870 06	68,668 23
88,297 30	89,803 13	94,216 84	92,512 72	104,618 34	100,790 05	108,442 38	1,137,521 85
16,854 92	13,014 61	15,737 94	8,528 60	12,372 46	5,917 63	-----	174,438 29
19,469 19	19,241 30	19,315 26	19,389 58	19,702 11	19,730 32	19,876 51	230,442 15
943 59	230 45	266 63	651 01	1,121 65	953 19	1,186 24	13,804 97
47,887 70	41,031 86	46,090 11	124,789 58	46,367 81	43,780 06	52,762 62	640,359 02
39,330 30	40,466 48	43,282 49	44,306 57	50,296 52	47,692 07	54,029 67	542,098 48
278 22	49 25	124 52	776 34	366 79	1,772 56	423 92	5,050 29
24,056 86	25,589 77	25,439 11	24,170 45	24,465 49	24,662 58	25,141 11	296,534 58
2,056 10	3,565 72	5,370 03	3,239 17	3,078 66	7,517 37	9,958 03	63,835 09
2,373 12	223 22	1,509 20	1,517 75	1,059 73	1,049 30	805 60	24,675 35
1,441 81	680 33	1,611 40	5,275 92	10,334 18	8,044 92	6,056 70	60,927 75
169,553 50	165,989 53	165,195 28	168,580 14	188,880 77	174,514 85	174,683 65	2,068,257 25
688 95	1,676 97	2,471 72	5,354 40	6,791 77	4,624 11	6,893 06	50,350 12
8,617 89	3,828 50	4,044 17	2,788 53	7,114 49	22,298 91	8,152 17	107,068 78
48,626 84	53,238 23	45,367 23	42,450 99	48,155 24	44,942 26	54,645 98	560,390 11
860,356 87	911,554 90	954,259 64	945,357 87	974,579 46	943,304 35	954,869 36	10,828,147 94
40,000 00	40,000 00	40,000 00	40,000 00	40,000 00	40,000 00	42,223 25	482,223 25
900,356 87	951,554 90	994,259 64	985,357 87	1,014,579 46	983,304 35	997,092 61	11,310,371 19
580,414 34	467,533 79	636,305 57	645,838 78	695,607 07	478,898 88	511,395 19	6,719,256 17
304,300 88	300,000 00	300,000 00	300,000 00	300,000 00	300,000 00	304,090 00	3,608,390 88
276,113 46	167,533 79	336,305 57	345,838 78	395,607 07	178,898 88	207,305 19	3,110,865 29

# DETAILED STATEMENT

OF THE

## Funded Debt of the Lake Shore and Michigan Southern Railway Company

AFTER DEDUCTING \$1,500,000 BONDS IN THE SINKING FUND.

DECEMBER 31, 1888.

Date of Issue.	NAME AND CHARACTER.	Miles included in Mortgage.	When Due.	Amount Outstanding.	Rate of Interest, and When Payable.	Annual Interest.
July 1, 1870...	Lake Shore & Michigan Southern—Consolidated First Mortgage.....	884	July 1, 1900....	\$315,440,000	7% Reg'd Jan., Apr., July and Oct. Coupon Jan. and July	\$1,072,320
April 1, 1869...	Lake Shore Railway—Dividend Bonds.....	258	April 1, 1899...	1,356,000	7% April and October.....	94,920
Oct. 1, 1867....	Cleveland, Painesville & Ashtabula—Third Mortgage.....	95	Oct. 1, 1892....	920,000	7% April and October.....	64,400
April 1, 1868...	Buffalo & Erie—Mortgage.....	88	April 1, 1898...	2,784,000	7% April and October.....	194,880
	Total amount outstanding of the First General Mortgage of \$25,000,000.....			\$20,500,000		\$1,427,020
Dec. 1, 1873...	Lake Shore & Michigan Southern—Consolidated Second General Mortgage...	864	Dec. 1, 1903...	24,692,000	7% June and December.....	1,728,440
	TOTAL FUNDED DEBT—LAKE SHORE & MICHIGAN SOUTHERN RAILWAY COMPANY PROPER.....			\$45,192,000		\$3,155,460

\* \$399,000 at 5 per cent., see page 6, annual report 1886.

## DEBT OF PROPRIETARY ROADS [OWNED WHOLLY BY LAKE SHORE &amp; MICHIGAN SOUTHERN RAILWAY CO.]

Date of Issue.	NAME AND CHARACTER.	Miles included in Mortgage.	When Due.	Amount Outstanding.	Rate of Interest and When Payable.	Annual Interest.
Aug. 1, 1876.	Detroit, Monroe & Toledo—First Mortgage guaranteed by L. S. & M. S.-----	62	Aug. 1, 1906.	\$ 924,000	7 % February and August.----	\$64,680
Sept. 1, 1869.	Kalamazoo & White Pigeon—First Mortgage.-----	37	Jan. 1, 1890.	400,000.	7 % January and July.-----	28,000
				\$1,324,000		\$92,680

## DEBT OF LEASED ROADS [INTEREST PAID BY LAKE SHORE &amp; MICHIGAN SOUTHERN RAILWAY CO., ON ACCOUNT OF RENTAL.]

Date of Issue.	NAME AND CHARACTER.	Miles included in Mortgage.	When Due.	Amount Outstanding.	Rate of Interest and When Payable.	Annual Interest.
July 1, 1888.	Kalamazoo, Allegan & Grand Rapids—First Mortgage.-----	58	July 1, 1888.	\$ 840,000	5 % January and July.-----	\$ 42,000
July 1, 1863.	Jamestown & Franklin—First Mortgage.-----	51	Different dates.	298,000	7 % January and July.-----	20,860
June 1, 1869.	Jamestown & Franklin—Second Mortgage.-----	51	June 1, 1894.	500,000	7 % December and June.-----	35,000
July 1, 1884.	Mahoning Coal R. R.—First Mortgage.-----	43	July 1, 1934.	1,500,000	5 % January and July.-----	75,000
				\$3,138,000		\$172,860

## MILEAGE STATISTICS—NINETEEN YEARS.

YBAR.	Miles Road Operated.	Earnings per Mile.	Expenses per Mile including Taxes.	Net Earnings per Mile.	Freight Train Mileage.	Average Freight Train Load. [Tons.]	Freight Train Earnings per Mile.	Freight Train Expenses per Mile.	Freight Train Profit per Mile.	Passenger Train Mileage.	Average No. of Paying Passengers per Train.	Passenger Train Earnings per Mile.	Passenger Train Expenses per Mile.	Passenger Train Profit per Mile.
1870	1,013.0	\$13,336	\$ 8,261	\$5,075	4,306,110	137.3	\$2,03.11	\$1.25.82	\$0.77.29	2,320,477	69.2	\$1.97.28	\$1.22.21	\$0.75.07
1871	1,073.8	13,872	9,106	4,766	5,659,898	133.5	1.82.71	1.19.93	0.62.78	2,367,514	60.5	1.86.07	1.22.13	0.63.94
1872	1,136.5	16,682	11,177	5,505	7,121,795	134.0	1.80.08	1.20.47	0.59.61	2,640,344	61.5	1.78.69	1.19.54	0.59.15
1873	1,154.0	16,824	11,928	4,896	8,026,320	136.0	1.76.82	1.25.36	0.51.46	2,952,823	60.8	1.72.43	1.22.25	0.50.18
1874	1,177.6	14,592	9,491	5,101	6,490,510	159.4	1.83.62	1.19.42	0.64.20	2,520,574	68.7	2.02.21	1.31.51	0.70.70
1875	1,177.6	12,284	8,963	3,321	5,798,617	168.0	1.66.23	1.21.28	0.44.95	2,743,617	60.1	1.70.12	1.24.11	0.46.01
1876	1,177.6	11,851	8,135	3,716	6,324,738	185.0	1.48.71	1.02.06	0.46.65	2,610,545	67.2	1.69.64	1.16.44	0.53.20
1877	1,177.6	11,484	7,622	3,862	5,674,655	196.2	1.66.99	1.10.83	0.56.16	2,363,504	58.4	1.65.34	1.09.73	0.55.61
1878	1,177.6	11,877	7,210	4,667	6,470,848	213.1	1.55.21	1.01.50	0.53.71	2,294,194	58.2	1.71.19	0.85.00	0.86.19
1879	1,177.6	12,975	7,591	5,384	7,506,016	237.1	1.50.39	0.91.09	0.59.30	2,234,304	63.2	1.72.63	0.91.00	0.81.63
1880	1,177.6	15,922	8,946	7,076	7,481,489	252.4	1.88.16	1.07.67	0.80.49	2,549,081	69.1	1.78.18	0.92.29	0.85.89
1881	1,177.6	15,261	9,577	5,684	7,704,600	271.1	1.64.31	1.08.74	0.55.57	2,910,400	72.9	1.77.34	0.99.66	0.77.68
1882	1,274.0	14,306	8,679	5,627	7,269,723	269.3	1.65.38	1.07.43	0.57.95	3,237,427	72.2	1.85.59	1.00.82	0.85.27
1883	1,339.9	13,817	8,211	5,606	7,176,597	245.4	1.73.90	1.06.35	0.67.55	3,403,224	63.4	1.70.00	0.99.05	0.70.95
1884	1,340.3	11,075	6,815	4,260	5,828,746	232.7	1.60.56	1.04.83	0.55.73	3,459,742	55.1	1.51.25	0.87.38	0.63.87
1885	1,340.3	10,545	6,929	3,616	6,316,179	253.7	1.42.99	1.01.05	0.41.94	3,431,846	50.8	1.37.79	0.83.43	0.54.36
1886	1,340.3	11,832	7,250	4,572	6,134,161	259.5	1.68.40	1.06.34	0.62.06	3,499,066	55.7	1.52.33	0.93.30	0.59.03
1887	1,340.3	13,963	8,231	5,732	6,742,811	273.4	1.86.09	1.14.32	0.71.77	3,371,318	61.0	1.74.74	0.98.52	0.76.22
1888	1,341.8	13,437	8,429	5,008	7,150,953	251.6	1.62.62	1.08.08	0.54.54	3,640,797	57.7	1.68.45	0.98.37	0.70.08

## CHIEF ENGINEER'S DEPARTMENT.

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1888.

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## REPAIRS AND RENEWALS.

[Included in Operating Expenses.]

New steel rail laid.....	13,586 tons.....	132.01 miles.
Cross-ties renewed, 709,314, equal to.....		272.81 miles.
Fence built [board].....		5.34 miles.
“ “ [wire].....		140.83 miles.
Track ballasted with gravel, cinders and stone.....		189.54 miles.

## CHIEF ENGINEER'S TABLE OF ROAD OPERATED

—BY THE—

Lake Shore &amp; Michigan Southern Railway Company.

JANUARY 1, 1889.

## MAIN LINE.

Buffalo to Erie.....	88.00	
Erie to Cleveland.....	95.50	
Cleveland to west end Toledo bridge, via Norwalk.....	111.77	
West end Toledo bridge to Toledo.....	1.10	
Toledo to Chicago, via Adrian.....	244.12	540.49

## BRANCHES OF THE L. S. &amp; M. S. RAILWAY.

Elyria Junction to Millbury Junction, via Sandusky.....	72.95	
Sandusky Pier, from Junction to Old Depot.....	3.72	
Air Line Junction to Elkhart.....	130.83	
Lenawee Junction to Jackson.....	41.98	
Lenawee Junction to Monroe.....	29.37	
Ashtabula to Ashtabula Harbor.....	2.33	
Ashtabula to Jamestown.....	35.98	
Junction with D. A. V. & Pitts. R. R. at Dunkirk.....	1.50	318.66

## PROPRIETARY ROADS [OWNED WHOLLY BY THIS COMPANY].

Detroit, Monroe & Toledo Railroad—		
Air Line Junction to Detroit.....	62.36	
Kalamazoo and White Pigeon Railroad—		
White Pigeon to Kalamazoo.....	36.57	
Northern Central Michigan Railroad—		
Jonesville to North Lansing.....	61.14	160.07

## ROADS OPERATED UNDER LEASE.

Kalamazoo, Allegan & Grand Rapids Railroad—		
Kalamazoo to Grand Rapids.....	58.42	
Jamestown & Franklin Railroad—		
Jamestown to Oil City.....	50.91	
Mahoning Coal Railroad—		
Andover to Youngstown.....	38.31 miles.	
Branch to No. 9 Coal Bank.....	2.85 miles.	
Branch to Keel Ridge Coal Bank.....	0.73 miles.	
Branch to Garfield Coal Bank.....	0.17 miles.	
	42.06	
Detroit, Hillsdale & South-western.....	65.20	
Fort Wayne & Jackson.....	97.83	
M. & S. V. R. R., Doughton Junction to State Line Ohio and Pennsylvania.....	5.97 miles.	
S. V. R. R., State Line Ohio and Pa. to north line borough of Sharon.....	1.77 miles.	
	7.74	
Stewart Railroad, State Line Ohio and Pa. to Stewart Mills.....	0.39	322.55

LENGTH OF ROAD OPERATED .....1,341.77

## SECOND TRACK.

Between Buffalo and Erie.....	88.00	
Between Erie and Cleveland.....	95.50	
Between Cleveland and west end Toledo bridge.....	50.70	
West end Toledo bridge to Toledo.....	1.10	
Toledo to Air Line Junction.....	2.59	
Between Elkhart and Chicago.....	32.66	
Air Line Junction to Wagon Works.....	2.45	273.00

## SIDE TRACKS.

Buffalo Division.....	54.98	
Erie Division.....	89.99	
Toledo Division.....	114.79	
Franklin Division.....	37.61	
Youngstown Division.....	15.90	
Sharon Line.....	2.41	
Michigan Southern Division.....	282.42	598.10

TOTAL MILES OF SINGLE TRACK.....	{ Steel... 1,847.79	
	{ Iron... 365.08	2,212.87

## LAKE SHORE &amp; MICHIGAN SOUTHERN RAILWAY CO.

## TABLE OF TRACKS.

JANUARY 1, 1889.

Showing the Length of same in each State through which the Line passes.

TRACKS.	STATE.						TOTAL.
	N. Y.	Penn.	Ohio.	Indi'na	Mich.	Illinois	
Single Track—	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.
Main Line.....	69.50	44.06	195.01	101.95	115.95	14.02	540.49
Branches.....	1.50	58.33	230.41	119.15	391.89	-----	801.28
LENGTH OF ROAD OPERATED.....	71.00	102.39	425.42	221.10	507.84	14.02	1,341.77
Second Track.....	69.50	44.06	126.78	25.07	-----	7.59	273.00
Sidings.....	42.14	48.59	279.24	86.10	90.13	51.90	598.10
TOTAL MILES OF SINGLE TRACK.....	182.64	195.04	831.44	332.27	597.97	73.51	2,212.87

## RECAPITULATION.

STATE.	MILES OPERATED.				MILES OF SINGLE TRACK.			
	Main Line.	Branches.	Total.	Per Cent.	Second Track.	Sidings.	Total.	Per Cent.
New York.....	69.50	1.50	71.00	5.29	69.50	42.14	182.64	8.25
Pennsylvania.....	44.06	58.33	102.39	7.63	44.06	48.59	195.04	8.82
Ohio.....	195.01	230.41	425.42	31.71	126.78	279.24	831.44	37.57
Indiana.....	101.95	119.15	221.10	16.48	25.07	86.10	332.27	15.02
Michigan.....	115.95	391.89	507.84	37.85	-----	90.13	597.97	27.02
Illinois.....	14.02	-----	14.02	1.04	7.59	51.90	73.51	3.32
TOTAL.....	540.49	801.28	1,341.77	100.	273.00	598.10	2,212.87	100.

## RECAPITULATION OF GRAND DIVISIONS—[EAST AND WEST OF TOLEDO].

DIVISIONS.	Main Line.	Branches.	Second Track.	Sidings.	Total.
	Miles.	Miles.	Miles.	Miles.	Miles.
Lake Shore.....	295.27	217.58	234.20	315.68	1,062.73
Michigan Southern.....	245.22	583.70	38.80	282.42	1,150.14
TOTAL.....	540.49	801.28	273.00	598.10	2,212.87



## CAR DEPARTMENT.

1888.

	1888.	1887.
New wheels put under cars.....	13,635	14,013
New axles put under cars.....	857	810

The cost of maintenance of car equipment, including the cost of all new cars, was in 1888 for passenger equipment, \$174,438.29; for freight equipment, \$640,359.02.

## EQUIPMENT DECEMBER 31, 1888.

## PASSENGER.

First-class passenger cars.....	131
Second-class and smoking cars.....	26
Smoking and baggage (combined) cars.....	9
Emigrant cars.....	20
Postal cars.....	17
Postal and baggage (combined) cars.....	12
Baggage cars.....	64
Buffet cars.....	3
Dining cars.....	3
Total.....	285

## FREIGHT.

Box cars.....	10,656
Stock cars.....	1,530
Platform cars.....	1,459
Coal cars..... 3,353 ore cars..... 30	3,383
Total.....	17,028

## WORKING CARS.

Caboose cars.....	260	Dumper cars.....	175
Derrick cars.....	12	Tool cars.....	7
Officers' cars.....	5	Paymaster cars.....	2
			461
Grand total all cars.....			17,774

## LOCOMOTIVE DEPARTMENT.

1888.

Number of locomotives----- 525

## Miles run by locomotives—

Passenger service ----- 3,881,230

Freight service ----- 8,121,559

Working train service ----- 599,515

Switching ----- 4,244,380

TOTAL ----- 16,846,684

Average number miles run per locomotive----- 32,150

## Cost per mile run—

Repairs ----- Cents 3.83

Service ----- " 6.75

Fuel ----- " 4.90

Lubricants, etc. ----- " .15

TOTAL CENTS ----- 15.63

Miles run per ton of coal ----- 32.00

## FUEL CONSUMED.

526,400 tons coal ----- average \$1.54 \$810,656.69

9,239 cords wood ----- " 1.57 14,569.41

\$825,226.10

Being 4 $\frac{1}{2}$  cents per locomotive mile.

# GENERAL SUMMARY OF FREIGHT BUSINESS

FOR THE YEAR ENDING DECEMBER 31, 1888.

## TONS MOVED.

	1888.	1887.		Per Cent.
East-bound freight.....	4,920,742	4,672,115	Increase 248,627	5.32
West-bound freight.....	4,149,115	4,654,737	Decrease 505,622	10.86
Total .....	<u>9,069,857</u>	<u>9,326,852</u>	Decrease 256,995	2.76

## AVERAGE HAUL FOR EACH TON CARRIED.

	1888.	1887.	
East-bound freight.....	200.3 miles.	204.1 miles.	
West-bound freight.....	196.0 "	191.3 "	
All freight.....	198.4 "	197.7 "	

## TONNAGE MILEAGE.

	1888.	1887.		Per Cent.
East-bound freight, tons carried one mile ....	985,748,156	953,476,228	Increase 32,271,928	3.38
West-bound freight, " " ....	813,355,889	890,309,668	Decrease 76,953,779	8.64
Total .....	<u>1,799,104,045</u>	<u>1,843,785,896</u>	Decrease 44,681,851	2.42

## RATES.

	1888.	1887.		Per Cent.
East-bound, per ton per mile.....	Cent 0.6265	Cent 0.6771	Decrease, Cent 0.0506	7.47
West-bound, " " .....	" 0.6464	" 0.6625	Decrease, " 0.0161	2.43
BOTH WAYS.....	" 0.6355	" 0.6700	Decrease, " 0.0345	5.15

## EARNINGS.

	1888.	1887.		Per Cent.
East-bound freight.....	\$6,175,970 69	\$6,455,783 01	Decrease \$279,812 32	4.33
West-bound freight .....	5,257,364 81	5,898,210 26	Decrease 640,845 45	10.87
Switching, Storage, Elevating, &c.....	195,838 67	193,929 98	Increase 1,908 69	0.98
Total.....	<u>\$11,629,174 17</u>	<u>\$12,547,923 25</u>	Decrease \$918,749 08	7.32

Proportions of freight movements this year: East-bound, 54.8 per cent. West-bound, 45.2 per cent. As compared with last year, the loss in revenue from decreased tonnage moved is \$297,519; and from the decrease in average rate, \$621,230.

## COMPARATIVE STATEMENT,

SHOWING

TONNAGE AND PERCENTAGE OF ARTICLES CARRIED IN 1888,

COMPARED WITH 1887,

ARTICLES.	1888.		1887.		Increase and De- crease this year.
	Per Ct.	Tons.	Per Ct.	Tons.	PER CENT.
Coal and Coke-----	21.83	1,979,632	21.63	2,017,474	Decrease 1.88
Iron Ore-----	6.63	601,698	4.75	443,540	Increase 35.66
Stone, Sand and Lime-----	6.79	616,101	6.07	565,787	Increase 8.89
Petroleum-----	4.36	395,229	4.25	395,893	Decrease 0.17
Pig, Bloom and Railroad Iron-----	1.99	180,194	2.74	255,709	Decrease 29.53
Other Iron and Castings-----	5.62	509,665	6.11	569,559	Decrease 10.52
Lumber and other Forest Products-----	9.06	822,019	9.64	898,753	Decrease 8.54
Animals-----	5.19	470,619	4.74	442,439	Increase 6.37
Grain-----	9.52	863,290	10.23	953,983	Decrease 9.51
Agricultural Products, except Grain-----	3.26	296,250	3.13	291,703	Increase 1.56
Flour and Flour Mill Products-----	4.63	419,655	5.08	473,524	Decrease 11.38
Provisions-----	3.39	307,403	3.33	310,957	Decrease 1.14
Manufactures-----	3.65	331,211	3.99	372,492	Decrease 11.08
Merchandise and other articles-----	14.08	1,276,891	14.31	1,335,039	Decrease 4.36
TOTAL-----	100.	9,069,857	100.	9,326,852	Decrease 2.76

## FREIGHT NOT EARNING REVENUE—(Being for use of the Company.)

	1888.	1887.
Tons moved in freight trains one mile-----	109,843,892	92,587,665
Cost per ton per mile-----Cents	0.430	Cents 0.418
Amount of cost of this transportation-----	\$472,329	\$387,016

# TONNAGE OF ARTICLES CARRIED—NINETEEN YEARS.

26

1870 TO 1888—INCLUSIVE.

Year.	Coal and Coke.		Iron Ore.		Stone, Sand and Lime.		Petroleum.		Pig. R. Iron. & Castings.		Lumber and other Forest Products.		Animals.		Grain.		Agricultural Products except Grain.		Flour and Flour Mill Products.		Provisions.		Manufactures.		Merchandise and other Articles.	
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1870	215,997	95,521	260,959	76,012	66,778	334,331	276,531	451,431	149,031	327,812	132,645	199,547	391,880													
1871	241,994	118,586	380,203	66,465	92,530	363,068	319,721	753,197	219,040	332,990	204,934	208,465	483,332													
1872	331,319	142,226	368,113	91,475	90,803	458,359	421,644	931,992	167,496	300,898	233,915	194,797	708,985													
1873	518,643	164,949	635,040	68,121	99,413	530,683	480,623	816,267	232,687	354,480	279,044	182,091	814,622													
1874	662,329	171,102	488,865	62,253	104,594	572,869	438,409	957,721	185,787	389,692	237,067	167,142	783,437													
1875	694,638	150,613	530,796	83,440	119,314	511,651	410,851	870,333	181,183	343,960	258,544	190,894	676,251													
1876	827,252	141,928	589,022	82,720	100,949	469,097	486,734	1,055,589	205,445	400,409	270,274	198,804	796,784													
1877	754,859	128,025	755,952	72,946	118,599	490,022	410,165	1,030,211	172,466	338,495	210,260	192,110	827,359													
1878	717,423	111,373	569,964	110,805	116,718	468,475	544,009	1,384,868	229,032	409,400	345,738	261,727	817,710													
1879	1,053,825	144,460	470,449	198,073	184,493	633,721	616,812	1,841,120	277,895	436,628	286,983	299,357	1,049,102													
1880	1,290,647	203,060	327,953	369,316	267,331	801,658	637,795	1,727,645	308,039	478,033	314,468	314,587	1,175,788													
1881	1,675,716	315,006	307,672	434,019	398,470	1,015,199	563,555	1,509,444	375,654	452,225	242,430	413,324	1,281,757													
1882	1,800,896	363,155	399,082	338,215	403,847	1,031,185	511,748	1,203,979	326,068	420,228	220,001	479,522	1,386,176													
1883	1,737,724	305,960	365,087	276,476	416,668	890,967	484,878	1,100,489	245,988	405,453	247,489	415,322	1,184,459													
1884	1,568,743	335,768	377,448	135,653	323,502	673,774	442,398	1,005,852	224,016	488,898	182,970	303,720	1,060,708													
1885	1,822,245	324,548	376,611	170,420	348,822	692,205	435,324	1,142,422	332,793	480,203	223,819	261,801	1,143,487													
1886	1,801,645	484,525	418,010	203,485	438,662	747,979	442,916	977,136	338,504	416,586	270,697	266,836	1,189,033													
1887	2,017,474	565,787	395,893	255,709	569,559	898,753	442,439	963,983	291,703	473,524	310,957	372,492	1,335,039													
1888	1,979,632	616,101	395,229	180,194	509,665	822,019	470,619	863,290	296,250	419,655	307,403	331,211	*1,276,891													

\* Merchandise, 557,515; Brick and Tile, 81,105; Salt, 49,331; Ice, 45,824; Plaster, 26,302; Cement, 21,783; Canned Goods, 15,865; Other Articles, 478,866.

# STATISTICS OF FREIGHT BUSINESS—NINETEEN YEARS, 1870 to 1888, INCLUSIVE.

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YEAR.	EAST-BOUND.					WEST-BOUND.					TOTAL, EAST AND WEST.					Miscellaneous Earnings for Switching, Storage, etc.	TOTAL EARNINGS including Miscellaneous.	Percentage of Freight Movements.		Miles.
	Tons.	Earnings.	Tons Carried One Mile.	Rate per Ton	Cts.	Tons.	Earnings.	Tons Carried One Mile.	Rate per Ton	Cts.	Tons.	Earnings.	Tons Carried One Mile.	Rate per Ton	Cts.			Eastward.	Westward.	
1870	2,036,753	\$5,586,697	412,067,965	1.356		941,972	\$3,047,775	161,967,006	1.882		2,978,725	\$ 8,634,472	574,035,571	1.504		\$111,654	\$8,746,126	71.8	28.2	192.7
1871	2,564,708	7,143,075	526,397,486	1.357		1,219,817	3,062,784	207,273,210	1.478		3,784,525	10,205,859	733,670,696	1.391		185,359	10,341,218	71.7	28.3	193.9
1872	2,997,556	8,498,927	667,369,119	1.272		1,445,536	4,217,956	257,475,021	1.688		4,443,092	12,706,883	924,844,140	1.374		117,979	12,824,862	72.2	27.8	205.2
1873	3,447,790	9,994,546	770,423,785	1.297		1,728,871	4,074,856	283,503,404	1.437		5,176,661	14,069,402	1,053,927,189	1.335		122,997	14,192,399	73.1	26.9	205.6
1874	3,715,071	8,273,159	753,633,140	1.098		1,506,196	3,518,453	245,708,941	1.432		5,221,267	11,791,612	999,342,081	1.180		126,738	11,918,350	75.4	24.6	191.4
1875	3,381,876	6,466,969	677,979,702	0.954		1,640,614	3,063,069	265,256,459	1.155		5,022,490	9,530,038	943,236,161	1.010		109,000	9,639,038	71.9	28.1	187.8
1876	3,867,031	6,421,447	827,020,640	0.776		1,768,136	2,841,276	306,814,188	0.926		5,635,167	9,262,723	1,133,834,828	0.817		142,906	9,405,629	72.9	27.1	201.2
1877	3,718,449	6,176,884	747,274,720	0.826		1,794,949	3,152,365	332,730,841	0.947		5,513,398	9,328,249	1,080,005,561	0.864		148,359	9,476,608	69.2	30.8	195.9
1878	4,228,390	6,683,696	995,021,834	0.672		1,870,055	3,152,463	945,445,992	0.913		6,098,445	9,836,159	1,340,467,826	0.734		212,793	10,048,952	71.2	28.8	219.8
1879	4,943,252	7,144,042	1,197,135,107	0.597		2,598,042	3,976,184	536,288,333	0.741		7,541,294	11,120,226	1,733,423,440	0.642		168,035	11,288,261	69.1	30.9	229.9
1880	5,077,371	8,813,335	1,179,292,211	0.747		3,272,965	5,077,228	671,873,807	0.756		8,350,336	13,890,563	1,551,166,018	0.750		186,731	14,077,294	60.8	39.2	221.7
1881	5,133,657	6,851,182	1,157,415,231	0.592		4,030,851	5,624,516	864,360,237	0.651		9,164,508	12,475,698	2,021,775,468	0.617		184,289	12,659,987	57.2	42.8	220.6
1882	4,892,118	6,554,829	1,020,258,772	0.642		4,303,420	5,324,970	872,609,452	0.610		9,195,538	11,879,799	1,892,568,224	0.628		142,778	12,022,577	53.9	46.1	205.8
1883	4,587,209	7,018,156	954,645,205	0.735		3,891,396	5,276,523	734,867,210	0.711		8,473,605	12,294,679	1,689,512,415	0.728		185,415	12,480,094	56.5	43.5	199.3
1884	4,006,220	5,184,770	832,004,913	0.623		3,359,468	4,017,940	578,540,761	0.694		7,365,688	9,202,710	1,410,545,674	0.632		156,106	9,358,816	59.0	41.0	191.5
1885	4,341,610	5,042,751	954,301,180	0.528		3,681,483	3,816,270	648,265,855	0.589		8,023,093	8,859,021	1,602,867,035	0.553		172,396	9,031,417	59.5	40.5	199.7
1886	4,328,656	5,636,875	880,024,016	0.641		3,976,941	4,631,980	712,020,750	0.636		8,305,597	10,168,855	1,692,044,766	0.639		160,770	10,329,625	55.3	44.7	191.7
1887	4,672,115	6,455,783	953,476,228	0.677		4,654,737	5,898,210	890,309,668	0.662		9,326,852	12,353,993	1,948,785,896	0.670		193,980	12,547,923	51.7	48.3	197.7
1888	4,920,742	6,175,970	985,748,156	0.627		4,149,115	5,257,365	813,355,889	0.646		9,069,857	11,433,335	1,799,104,045	0.636		195,839	11,629,174	54.8	45.2	198.4

## FREIGHT FORWARDED AND RECEIVED AT EACH STATION,

FOR THE YEAR ENDING DECEMBER 31, 1888.

STATIONS.	FREIGHT FORWARDED.		FREIGHT RECEIVED.	
	Tons.	Revenue.	Tons.	Revenue.
<b>Main Line.</b>				
EAST BUFFALO .....	648,220	\$1,257,576	1,960,316	\$3,295,805
BUFFALO .....	326,163	460,514	382,409	550,127
Total East Buffalo and Buffalo .....	974,383	\$1,718,090	2,342,725	\$3,845,932
West Hamburg .....	69	98	430	474
Lake View .....	83	120	1,668	1,280
Derby .....	205	237	683	670
Angola .....	1,439	1,632	5,203	5,425
Farnham .....	3,680	5,808	2,224	2,594
Irving .....	6,972	3,939	309	353
Silver Creek .....	1,623	4,779	6,452	6,870
DUNKIRK .....	61,781	67,001	47,756	64,225
Brocton .....	8,069	17,769	9,745	13,828
Westfield .....	956	1,859	4,249	5,412
Ripley .....	775	1,510	1,461	2,422
State Line .....	1,125	1,737	607	969
North East .....	3,943	6,173	8,126	10,730
Moorhead .....	591	621	1,206	1,754
Harbor Creek .....	107	109	408	333
ERIE .....	324,988	459,350	495,888	528,249
Swanville .....	725	510	108	154
Fairview .....	1,812	2,357	1,756	1,792
Girard .....	3,214	5,739	5,924	6,685
Springfield .....	665	572	217	392
Conneaut .....	12,993	14,994	9,698	8,969
Kingsville .....	5,071	5,887	1,433	1,230
Ashtabula .....	13,220	13,382	32,138	24,435
Saybrook .....	76	167	439	695
Geneva .....	2,289	4,480	9,396	8,933
Unionville .....	634	1,171	858	1,086
Madison .....	2,296	2,601	2,924	3,198
Perry .....	3,852	4,422	1,966	2,127
Painesville .....	12,843	13,556	23,293	21,190
Mentor .....	1,114	1,419	1,432	1,396
Willoughby .....	5,122	3,917	7,794	6,055
Wickliffe .....	991	587	1,293	1,054
Nottingham .....	357	810	2,097	1,551
Collinwood .....	9,899	5,163	5,499	3,832
Glenville .....	579	1,766	6,152	4,534
CLEVELAND .....	1,694,003	1,988,126	858,892	948,725
Rockport .....			370	460
Berea .....	41,687	54,201	12,049	9,695
Olmsted Falls .....	3,177	4,654	3,415	2,161
Shawville .....	599	708	1,596	1,116
ELYRIA .....	235,204	167,788	40,610	37,047
Oberlin .....	36,823	43,319	16,969	14,970
Kipton .....	2,027	2,840	1,414	1,741
Wakeman .....	4,245	7,135	2,008	2,748
Collins .....	2,864	4,219	1,362	1,562
Norwalk .....	8,306	13,786	19,968	21,970
Monroeville .....	5,861	6,315	2,437	3,235
Bellevue .....	14,106	19,652	7,033	7,135

## FREIGHT FORWARDED AND RECEIVED—CONTINUED.

STATIONS.	FREIGHT FORWARDED.		FREIGHT RECEIVED.	
	Tons.	Revenue.	Tons.	Revenue.
Clyde.....	33,935	\$25,211	9,112	\$11,050
Fremont.....	33,593	29,456	14,893	20,111
Lindsey.....	4,286	5,204	503	838
Elmore.....	7,758	8,793	4,539	4,883
Genoa.....	13,325	14,641	4,347	3,674
Millbury.....	588	677	219	391
North Amherst.....	81,336	80,529	20,148	11,093
Brownhelm.....	3,706	2,918	1,325	960
Vermillion.....	1,760	2,481	4,269	4,186
Ceylon.....	6,119	7,781	1,475	1,696
Huron.....	5,953	8,715	3,703	4,325
SANDUSKY.....	330,689	333,705	174,087	169,563
Venice.....	376	464	269	266
Marblehead Junction.....	44,771	31,498	9,881	6,852
Gypsum.....	7,571	8,210	2,414	1,954
Port Clinton.....	3,502	5,267	5,880	6,595
La Carne.....	317	479	215	219
Oak Harbor.....	2,703	3,056	1,804	3,125
Rocky Ridge.....	11,618	13,343	745	946
Graytown.....	7,764	7,647	1,113	1,391
Martin.....	11,032	12,208	2,143	1,937
TOLEDO.....	771,443	725,761	596,565	517,815
Richards.....			270	90
Sylvania.....	7,473	4,310	980	1,116
Ottawa Lake.....	2,059	2,199	613	648
Riga.....	2,000	1,780	365	549
Blissfield.....	4,512	7,728	3,375	5,157
Grosvenor.....	16,959	21,260	6,114	7,080
Palmyra.....	701	1,056	419	524
Lenawee Junction.....	332	446	52	42
ADRIAN.....	15,580	29,877	34,971	42,683
Clayton.....	4,639	6,635	1,124	1,991
Hudson.....	8,744	18,729	7,115	11,939
Pittsford.....	2,837	4,358	956	1,648
Osseo.....	4,686	6,226	525	970
Hillsdale.....	26,457	42,529	23,849	33,449
Jonesville.....	29,561	27,975	6,216	9,057
Allen.....	4,255	6,381	1,235	2,359
Quincy.....	4,626	10,310	6,076	9,008
Coldwater.....	18,148	44,677	29,838	39,036
Batavia.....	474	911	143	236
Bronson.....	6,721	11,599	3,277	6,404
Burr Oak.....	4,516	7,449	1,860	3,248
Sturgis.....	34,286	35,339	10,812	17,105
Klinger Lake.....	1,493	2,131	253	472
White Pigeon.....	4,353	10,539	3,845	6,569
Vistula.....	1,204	2,632	1,248	2,633
Bristol.....	1,336	2,363	1,127	2,069
ELKHART.....	11,095	21,876	29,266	46,885
Holland.....	688	435	461	605
Swanton.....	4,980	5,653	2,589	3,322
Delta.....	4,497	7,334	3,641	4,911
Wauseon.....	10,292	20,819	9,823	12,520



## FREIGHT FORWARDED AND RECEIVED—CONTINUED.

STATIONS.	FREIGHT FORWARDED.		FREIGHT RECEIVED.	
	Tons.	Revenue.	Tons.	Revenue.
Pettisville.....	505	\$ 1,060	495	\$ 800
Archbald.....	6,252	9,434	2,909	4,457
Stryker.....	4,872	7,859	2,732	4,609
Bryan.....	7,927	15,750	9,585	15,186
Melbern.....	1,286	2,820	196	347
Edgerton.....	4,220	8,569	3,316	5,043
Butler.....	6,249	10,440	5,011	8,018
Waterloo.....	6,100	10,750	4,106	6,239
Sedan.....	1,152	1,326	7	6
Corunna.....	4,517	6,231	712	1,349
Kendallville.....	16,781	21,929	9,419	14,305
Brimfield.....	1,851	3,080	404	757
Wawaka.....	3,143	2,906	307	575
Ligonier.....	14,592	29,951	10,500	16,517
Millersburg.....	1,217	1,062	521	1,148
GOSHEN.....	46,738	75,063	27,929	39,584
Osceola.....	441	505	134	253
Mishawaka.....	8,264	17,778	15,404	19,951
SOUTH BEND.....	32,072	59,986	77,959	97,900
Warren.....	1,132	2,035	28	55
Terre Coupee.....	3,630	3,807	98	173
New Carlisle.....	6,828	8,573	2,060	3,488
Rolling Prairie.....	9,226	8,127	558	963
LA PORTE.....	71,080	53,705	24,873	40,481
Durham.....	2,156	3,360	39	72
Otis.....	19,219	22,424	4,804	7,711
Burdick.....	2,313	1,936	170	232
Chesterton.....	13,669	8,620	5,480	7,442
Millers.....	125,027	43,726	877	1,648
Pine.....	1	3	4	10
Whiting.....	22,077	6,548	756	855
Colehour.....	4,550	1,428	328	324
South Chicago.....	15,228	10,050	60,299	63,122
Grand Crossing.....	10,351	11,440	60,609	33,828
ENGLEWOOD.....	224,477	475,583	677,456	1,434,824
CHICAGO.....	717,285	2,020,307	662,405	1,138,439
Franklin Branch.				
Oil City.....	47,944	77,447	45,314	32,308
Reno.....	4,315	10,639	1,978	1,514
Run.....	869	405	21	16
Franklin.....	72,674	136,848	34,293	29,383
Summit.....	131	177	20	10
Polk.....	402	501	369	557
Raymilton.....	11,972	7,223	1,002	1,438
Oak Hill.....	372	433		
Sandy Lake.....	2,377	3,204	1,506	2,663
Stoneboro.....	31,988	18,460	28,724	14,438
Clark.....	553	795	377	615
Hadley.....	2,482	2,212	1,739	2,247
Salem.....	275	216	155	98
Osgood.....	8,175	6,171	1,103	1,269

## FREIGHT FORWARDED AND RECEIVED—CONTINUED.

STATIONS.	FREIGHT FORWARDED.		FREIGHT RECEIVED.	
	Tons.	Revenue.	Tons.	Revenue.
Jamestown .....	8,016	\$ 5,862	3,333	\$ 3,653
Simion .....	866	1,152	318	522
Andover .....	2,706	3,438	3,947	5,166
Leon .....	1,146	1,357	574	886
Dorset .....	3,167	3,083	812	1,097
Jefferson .....	3,628	4,906	6,178	7,240
Plymouth .....	148	115	107	153
Ashtabula Harbor .....	601,730	343,989	331,323	110,390
<b>Youngstown Branch.</b>				
YOUNGSTOWN .....	749,212	445,423	531,912	328,430
Coalburg .....	4,560	1,552	2,704	553
Brookfield .....			139	119
Tyrrell Hill .....	312	319	400	495
Fowler .....	687	732	390	312
Kinsman .....	2,827	3,557	4,438	5,329
Williamsfield .....	1,529	2,218	1,037	1,568
<b>Sharon Branch.</b>				
West Middlesex .....	867	870	572	443
Sharpsville .....	2,648	2,613	12,958	8,246
Sharon .....	11,906	15,415	46,762	28,744
Bentley .....	5,364	6,393		
Hubbard .....	33,706	34,943	111,744	41,438
<b>Detroit Branch.</b>				
DETROIT .....	93,979	125,413	361,920	322,252
WEST DETROIT .....	65,492	53,965	152,397	125,517
Ecorces .....	1,583	1,079	107	121
Wyandotte .....	13,300	9,718	18,943	11,379
Trenton .....	21,206	8,537	5,160	4,106
Rockwood .....	5,060	3,998	2,670	2,056
Newport .....	885	1,212	599	619
Stony Creek .....	30	22	172	99
Warner .....	2,256	376	516	86
MONROE .....	290,473	160,781	163,678	92,272
Vienna .....	85	84	99	136
West Toledo .....	2,030	3,319	8,490	4,598
Wagon Works .....	11,660	16,127	36,347	29,409
<b>Monroe Branch.</b>				
Strasburg .....	830	1,460	131	138
Ida .....	1,435	1,931	448	740
Petersburg .....	3,537	3,115	1,235	1,693
Deerfield .....	3,698	3,925	840	1,509
Corbus .....	4,866	5,221	1,453	1,942
Wellsville .....			70	46
<b>Jackson Branch.</b>				
Tecumseh .....	5,166	10,992	10,010	12,685
Clinton .....	4,150	7,677	3,875	5,632
Manchester .....	4,327	7,916	3,844	5,513
Norvell .....	476	1,104	432	661
Napoleon .....	774	1,433	618	976

## FREIGHT FORWARDED AND RECEIVED—CONTINUED.

STATIONS.	FREIGHT FORWARDED.		FREIGHT RECEIVED.	
	Tons.	Revenue.	Tons.	Revenue.
<b>Ypsilanti Branch.</b>				
Ypsilanti.....	1,746	\$ 3,317	10,481	\$ 12,155
Pittsfield Junc.....	1,443	1,693	433	689
Saline.....	3,418	3,823	2,467	3,447
Bridgewater.....	720	931	203	368
Watkins.....	115	271	32	51
Brooklyn.....	1,642	3,100	2,627	3,976
Woodstock.....	195	352	58	146
Somerset.....	729	1,452	401	616
Somerset Centre.....	516	980	594	927
Jerome.....	1,248	1,702	360	658
North Adams.....	2,301	3,845	1,598	2,507
<b>Fort Wayne Branch.</b>				
JACKSON.....	21,874	31,586	45,248	65,243
Horton.....	1,592	1,527	1,148	1,426
Hanover.....	1,464	2,465	848	1,345
Stony Point.....	11,115	11,700	428	447
Mosherville.....	1,041	1,481	461	662
Bankers.....	5,810	5,169	249	333
Reading.....	5,944	8,845	2,630	4,760
Montgomery.....	3,697	5,557	550	1,163
Ray.....	3,524	4,008	420	879
Fremont.....	4,823	8,623	3,021	4,476
Angola.....	9,807	16,506	6,885	10,471
Pleasant Lake.....	6,458	8,697	1,890	3,082
Summit.....	2,529	2,851	400	780
Auburn.....	3,368	4,797	6,372	8,505
Auburn Junction.....	4,950	3,689	3,706	3,897
St. Johns.....	278	167		
New Era.....	2,371	1,901	90	134
Huntertown.....	741	1,052	98	95
Academie.....			170	136
FORT WAYNE.....	59,410	72,639	74,944	83,015
<b>Lansing Branch.</b>				
Litchfield.....	7,220	8,226	2,768	3,967
Homer.....	2,421	3,878	1,271	2,140
Condit.....	60	39	3	5
Albion.....	5,550	11,848	15,020	18,272
Devereux.....	1,257	1,562	170	255
Springport.....	3,188	4,175	2,277	3,459
Charlesworth.....	830	1,114	41	68
Eaton Rapids.....	2,961	5,941	3,439	5,142
Kingsland.....	124	87	24	23
Dimondale.....	983	1,444	420	886
LANSING.....	32,165	45,999	33,288	48,034
<b>Kalamazoo Division.</b>				
Constantine.....	4,890	8,643	7,163	11,223
Florence.....	37	11	139	211
Three Rivers.....	7,367	13,370	10,494	14,837

## FREIGHT FORWARDED AND RECEIVED—CONCLUDED.

STATIONS.	FREIGHT FORWARDED.		FREIGHT RECEIVED.	
	Tons.	Revenue.	Tons.	Revenue.
Moorepark .....	365	\$ 556	277	\$ 461
Flowerfield .....	1,000	1,053	80	126
Schoolcraft .....	3,784	4,821	2,799	4,250
KALAMAZOO .....	14,441	30,109	40,854	54,326
Cooper .....	111	53	10	8
Argenta .....	517	674	79	92
Plainwell .....	4,174	8,092	5,034	7,317
Otsego .....	4,954	9,761	12,257	17,027
Abronia .....	336	202		
Allegan .....	29,719	34,456	10,706	20,255
Hopkins .....	5,906	6,249	906	1,691
Hilliards .....	2,145	1,897	174	284
Dorr .....	4,594	4,055	944	1,503
Byron Centre .....	5,920	4,767	1,055	1,401
Eagle Mills .....	12,650	7,980	815	414
GRAND RAPIDS .....	31,447	76,528	56,981	81,445
Totals .....	9,069,857	\$11,433,335	9,069,857	\$11,433,335
Add Switching, Storage, Elevating, &c. ....				195,839
Total Revenue .....				\$11,629,174

## DESCRIPTIVE STATEMENT OF FREIGHT FORWARDED FROM EACH STATION,

For the Year ending December 31, 1888.

STATIONS.	Coal and Coke.	Stone, Sand and Lime.	Petro- leum.	Pig. Bloom and Railroad Iron.	Other Iron and Castings.	Lumber and other Forest Products.	Animals.	Grain.	Agricultural Products (except Grain.)	Flour and Flour Mill Products.	Provis- ions.	Manu- factures.	Mer- chandise and other Articles.	TOTAL.
<b>MAIN LINE.</b>	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
East Buffalo.....	107,980	32,965	212	7,645	32,387	1,872	1,363	1,363	35,442	1,489	4,138	63,322	337,279	645,220
Buffalo.....	209,672	10,783	4,762	1,662	21,604	3,749	356	805	5,026	944	1,355	5,472	59,973	326,163
Total E. Buf. & Buf.	317,652	43,748	4,974	9,307	53,991	5,621	2,482	2,168	40,468	2,433	5,493	68,794	417,252	974,383
West Hamburg.....						12	12	5		5		9	38	69
Lake View.....						12			27			11		33
Derby.....						43		39	666	380	21		33	205
Angola.....					8	65	9	37	849		31	6	237	1,439
Farnham.....					24	74	10	114	1,933		5	33	2,571	3,050
Irving.....		* 4,938				54					11		19	1,672
Silver Creek.....					52		58	103	235	12	23	980	100	1,623
Dunkirk.....		125	14,548		2,652	30,294	599	108	1,665	205	739	4,459	5,460	61,781
Brocton.....	927				34	242	20	116	3,617	13	672	2,625	408	8,069
Westfield.....					18	144	12	42	194	5	106	27	175	956
Ripley.....						136	22	177	234		35	5	106	1,125
State Line.....		80			46	684	134	163	136	105	7		157	3,943
North East.....		26			17	149	288	157	812	951	75	134	770	5,917
Moorhead.....								73	78	149			164	161
Harbor Creek.....								732	9,910	9,019	5,044	32,113	71,899	324,898
ERIE.....	132,806	1,013	1,083	9,017	17,495	33,980	487	732	9,910	12			6	325
Swanville.....		129				498	54	36	331	12	74		94	1,312
Fairview.....						250	591	680	313	19	199	599	210	3,214
Garard.....		13		20	40	782		447	317				11	1,663
Springfield.....		36				228		47	147		60	418	383	12,093
Conneaut.....	* 11,128				9	688	111	74	103	23	44	71	35	12,071
Kingsville.....	* 4,281					288	69	127	154	528	267	758	1,460	13,276
Ashtabula.....	2,571	403	47	4,400	671	1,361	91	506	13					13,276
Saybrook.....														13,276
Geneva.....		35			119	25	39	130	398	78	27	1,086	2,284	2,284
Unionville.....							14	32	342		77		229	2,284
Madison.....					10	34	31	9	1,943		121	43	108	2,904
Perry.....						160	74	5	2,975				630	2,975
Painesville.....		281		6,117	995	263	95	5	1,180	373	1,148	665	1,771	12,843
Mentor.....						66			824				118	1,123
Willoughby.....					30	207	26	133	516		180	97	3,851	5,991
Wickliffe.....		524				365		215	320				37	357
Nottingham.....					5								201	9,899
Glenwood.....		* 9,674					429	12	72,586				201	9,899
Cleveland.....	270,414	19,579	183,473	26,995	201,678	102,373	129,177	213,017		136,610	78,001	35,911	224,189	1,694,003

\* Sand.

DESCRIPTIVE STATEMENT OF FREIGHT FORWARDED FROM EACH STATION—CONTINUED.

35

STATIONS.	Coal and Coke.	Stone, Sand and Lime.	Petro-leum.	Pig. Bloom and Railroad Iron.	Other Iron and Castings.	Lumber and other Forest Products.	Animals.	Grain.	Agricultural Products (except Grain.)	Flour and Flour Mill Products.	Provisions.	Manufactures.	Merchandise and other Articles.	Total.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Berea.....	.....	39,411	94	.....	45	137	61	46	289	33	12	473	1,026	41,687
Olmsted Falls.....	.....	2,853	.....	.....	30	165	.....	.....	15	21	.....	214	.....	3,177
Shawville.....	.....	.....	757	.....	.....	1,054	668	532	49	.....	6	.....	91	589
ELYRIA.....	200,030	8,328	.....	.....	17,715	1,022	176	.....	663	292	21	841	4,303	235,204
Oberlin.....	.....	35,060	.....	.....	22	167	318	1,108	229	551	26	.....	596	36,823
Kipton.....	.....	.....	.....	.....	59	368	101	1,046	484	.....	89	28	.....	2,027
Wakeman.....	.....	.....	.....	.....	.....	494	318	1,046	2,145	.....	51	631	184	4,245
Collins.....	.....	18	.....	.....	.....	494	101	872	563	.....	43	814	88	2,864
Norwalk.....	1,435	.....	.....	.....	.....	494	379	2,061	772	678	65	.....	1,408	8,306
Nonreville.....	1,100	.....	.....	.....	.....	494	242	2,132	220	1,307	.....	37	415	5,861
Bellevue.....	.....	2,498	.....	.....	.....	135	48	6,428	1,242	3,092	44	274	284	14,106
Clyde.....	21,634	70	940	.....	11	1,095	971	2,473	2,473	1,813	112	1,813	607	33,935
Fremont.....	.....	3,491	.....	.....	2,649	3,543	442	11,631	2,439	268	628	965	1,268	33,503
Findlay.....	.....	.....	.....	.....	.....	366	461	1,231	1,231	.....	30	.....	118	4,296
Elmore.....	.....	.....	.....	.....	25	1,557	294	2,080	462	2,689	68	273	516	7,758
Genoa.....	.....	9,455	.....	.....	19	725	242	1,874	301	1,797	.....	.....	286	13,325
Millbury.....	.....	.....	.....	.....	.....	165	65	188	14	.....	.....	21	132	588
North Amherst.....	.....	30,186	.....	.....	88	52	42	43	121	57	65	14	81	336
Brownhelm.....	.....	2,371	.....	.....	.....	82	.....	52	236	710	225	20	64	3,706
Vermillion.....	.....	.....	.....	.....	25	153	182	222	421	.....	463	7	287	1,760
Ceylon.....	.....	3,550	.....	.....	.....	390	108	800	1,171	.....	8	67	324	5,119
Huron.....	39	.....	.....	.....	70	634	1,639	1,639	551	8	1,608	.....	201	6,953
Vanderburg.....	24,691	1,125	4,791	.....	9,580	24,555	6,027	142,040	13,436	17,248	9,641	8,204	33,004	330,689
Van Wert.....	.....	5,499	.....	.....	6	51	6	119	13	.....	16	.....	73	376
Marblehead Junction.....	.....	43,806	.....	.....	.....	13	.....	672	476	.....	27	38	279	44,771
Massena.....	.....	.....	.....	.....	.....	13	.....	119	476	.....	778	.....	6,745	7,571
Port Clinton.....	.....	.....	356	.....	.....	497	94	202	177	373	.....	.....	485	3,502
LaCarna.....	.....	12	.....	.....	5	.....	81	390	.....	9	269	.....	17	317
Oak Harbor.....	.....	.....	.....	.....	.....	1,601	73	190	262	.....	.....	.....	209	2,703
Rocky Ridge.....	.....	7,391	.....	.....	.....	4,092	151	301	39	.....	11	45	90	11,618
Graytown.....	.....	.....	.....	.....	7	5,872	151	301	124	.....	.....	.....	1,248	7,764
Martin.....	.....	.....	.....	.....	.....	494	15	38	71	.....	.....	.....	250	11,032
Toronto.....	341,957	10,180	24,064	.....	20,525	54,755	14,432	111,526	17,537	32,412	16,671	17,016	77,413	771,443
Sylvania.....	.....	14,623	.....	.....	.....	1,102	6	11	15	7	14	.....	55	7,473
Ottawa Lake.....	.....	* 6,244	.....	.....	24	1,748	.....	6	.....	.....	12	.....	114	4,512
Rica.....	.....	60	.....	.....	.....	390	.....	1,320	114	.....	23	.....	145	2,059
Blissfield.....	.....	.....	.....	.....	6	190	917	1,264	236	44	345	43	262	2,000
Grosvonor.....	.....	.....	.....	.....	20	5,303	1,978	5,213	1,647	219	886	161	449	16,959
Palmyra.....	.....	.....	.....	.....	.....	.....	14	45	206	.....	5	.....	263	701
Lenawee Junction.....	.....	.....	.....	.....	.....	.....	642	2,207	241	1,665	1,473	527	36	332
Aprian.....	.....	224	2,687	.....	142	1,054	277	1,237	1,345	.....	.....	.....	3,111	15,580
Clayton.....	.....	.....	.....	.....	.....	1,494	.....	.....	1,387	23	41	.....	180	4,639

\* Sand.

## DESCRIPTIVE STATEMENT OF FREIGHT FORWARDED FROM EACH STATION—CONTINUED.

STATIONS.	Coal and Coke.	Stone, Sand and Lime.	Petro- leum.	Pig, Bloom and Railroad Iron.	Other Iron and Castings.	Lumber and other Forest Products.	Animals.	Grain.	Agricultural Products (except Grain.)	Flour and Flour Mill Products.	Provis- ions.	Manu- factures.	Mer- chandise and other Articles.	Total.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Hudson.....	.....	.....	.....	.....	.....	814	974	3,247	1,425	84	577	961	662	8,744
Pittsford.....	.....	.....	.....	.....	5	422	331	1,202	662	.....	107	10	98	2,837
Osseo.....	.....	3,455	.....	.....	.....	62	861	13	80	.....	44	.....	171	4,686
Hillsdale.....	37	6,445	.....	.....	194	146	768	1,018	984	12,249	287	384	3,945	26,457
Jonesville.....	.....	25,211	.....	.....	135	24	957	567	206	843	183	757	678	29,561
Allen.....	.....	1,639	.....	.....	.....	8	489	1,262	522	31	115	27	162	4,235
Quincy.....	.....	.....	.....	.....	14	375	1,065	966	669	382	94	662	399	4,626
Coldwater.....	.....	.....	.....	.....	171	688	991	162	576	11,841	377	2,029	1,303	18,148
Batavia.....	.....	.....	.....	.....	.....	238	1,02	102	59	.....	.....	.....	36	474
Bronson.....	.....	12	.....	.....	36	1,287	1,123	3,048	369	278	167	98	303	6,721
Burr Oak.....	.....	.....	.....	.....	49	367	505	2,202	1,045	.....	152	5	180	4,516
Sturgis.....	2,410	.....	.....	.....	102	20,344	401	3,113	1,095	.....	.....	1,181	844	34,286
Klinger Lake.....	.....	.....	.....	.....	.....	44	1,023	527	742	.....	6	127	10	1,493
White Pigeon.....	.....	.....	.....	.....	8	37	1,023	1,540	73	489	171	55	216	4,353
Vistula.....	.....	.....	.....	.....	.....	13	346	349	6	214	24	.....	180	1,204
Bristol.....	.....	.....	.....	.....	.....	75	361	793	.....	.....	16	.....	85	1,336
Elkhart.....	.....	.....	52	.....	68	1,616	602	211	98	3,649	31	446	4,322	11,095
Holland.....	.....	485	.....	.....	.....	156	.....	.....	21	.....	.....	.....	26	688
Swanton.....	.....	.....	.....	.....	45	1,610	82	2,154	269	78	513	27	202	4,980
Delta.....	.....	.....	.....	.....	17	1,841	352	1,066	145	354	457	32	233	4,437
Wauson.....	.....	.....	.....	.....	98	470	1,583	1,362	572	4,860	881	52	414	10,232
Pettisville.....	.....	.....	.....	.....	46	.....	208	.....	158	.....	22	.....	65	505
Archbald.....	.....	.....	.....	.....	20	2,039	865	439	513	1,768	137	86	395	6,232
Stryker.....	.....	.....	.....	.....	21	540	801	1,636	325	45	152	519	783	7,872
Bryan.....	.....	.....	.....	.....	23	797	1,518	1,637	350	829	446	1,089	1,238	8,927
Melbern.....	.....	.....	.....	.....	.....	486	622	.....	136	.....	17	12	13	1,286
Edgerton.....	.....	.....	.....	.....	15	828	552	1,631	394	8	71	549	172	4,220
Butler.....	.....	.....	.....	.....	45	612	622	4,107	23	.....	118	85	395	6,249
Waterloo.....	.....	.....	.....	.....	22	2,062	367	1,921	94	428	382	421	403	6,100
Sedan.....	.....	.....	.....	.....	.....	1,152	.....	.....	.....	.....	.....	.....	138	1,152
Corunna.....	.....	.....	.....	.....	16	1,376	665	2,290	190	165	32	1,220	778	4,517
Kendallville.....	.....	.....	50	118	214	8,855	792	4,050	.....	.....	349	.....	46	16,781
Brimfield.....	.....	.....	.....	.....	14	181	809	793	.....	.....	8	.....	30	1,851
Wawaka.....	.....	.....	.....	.....	7	2,221	.....	880	.....	.....	5	.....	30	3,143
Ligonier.....	.....	.....	.....	.....	100	844	2,394	1,540	824	7,971	291	159	461	14,592
Millersburg.....	.....	.....	.....	.....	.....	718	27	339	12	.....	.....	6	55	1,217
GOSHEN.....	.....	.....	.....	.....	351	19,065	1,473	10,298	290	5,651	653	3,878	4,904	46,738
Oseola.....	.....	175	.....	.....	.....	.....	.....	380	52	.....	.....	.....	9	441
Mishawaka.....	.....	.....	.....	.....	14	185	12	204	16	233	.....	6,004	1,596	8,264
SOUTH BEND.....	.....	.....	.....	.....	749	2,364	618	2,898	224	2,095	410	17,490	3,934	32,072
Warren.....	568	.....	253	20	.....	.....	181	826	88	.....	.....	.....	37	1,132
Terre Coupee.....	.....	.....	.....	.....	.....	1,882	.....	1,674	70	.....	.....	.....	4	3,630

STATIONS.	Coal and Coke.	Stone, Sand and Lime.	Petro-leum.	Pig Iron and Railroad Iron.	Other Iron and Castings.	Lumber and other Forest Products.	Animals.	Grain.	Agricultural Products (except Grain.)	Flour and Flour Mill Products.	Provisions.	Manufactures.	Merchandise and other Articles.	TOTAL.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
New Carlisle.....					16	3,346	121	3,983	607		24	291	140	6,828
Rolling Prairie.....						6,742	123	2,720	267	64			50	9,226
La Porte.....	228	41	7,245	8,663	1,925	11,773	1,939	2,108	1,504	2,115	298	5,766	27,955	71,080
Durham.....						10,330	738	1,822			9	526	8	2,156
Osage.....	109	1,280			82	10,110	738	1,822	3,724	534			196	19,219
Purdick.....					82	1,830		1,830					243	2,313
Creston.....					12	263	101	718		25	31	180	85	13,669
Millers.....		*124,980												126,027
Whiting.....		+ 22,050			5								1	22,077
Colebrook.....		+ 4,502											48	4,550
South Chicago.....	958	+ 1,620	346	140	1,215	736		1,800	65	28		154	3,165	15,225
Grand Crossing.....	3,919			37	1,606	188	10	415	73	2,048		728	1,327	10,351
Excelsior.....		200	47	1,354	7,185	2,905	360	116,138	16,130	42,876	3,959	4,423	23,848	224,477
CHICAGO.....	1,327	1,712	513	2,733	9,252	13,986	258,204	69,141	22,213	40,293	158,123	18,662	121,736	717,285
FRANKLIN BRANCH.														
Oil City.....	70	11	38,438		1,436	3,509	13	16	110	34	20	353	3,934	47,944
Reno.....			4,198		12							20	85	4,315
Run.....					222								869	869
Franklin.....		27	68,229			169	100		26	136		26	3,739	72,674
Summit.....						346								346
Polk.....					12	520			5	5	9		37	402
Raymlton.....	9,005		2,380			372			5				50	11,972
Oak Hill.....														
Sandy Lake.....					35	1,618	226	7	144	16	52	134	145	372
Stoneboro.....	24,491			34	119	1,476	30	60	60	253	59	22	5,444	2,377
Clark.....						186	10	43	133	29	87		45	31,988
Hadley.....					23	1,924	191	75	86	66	66		51	2,482
Salem.....						273							2	275
Osgood.....	6,211				45	1,732	17	37		105		8	73	8,175
Janestown.....	3,489	212		177	36	1,863	268	40	55	60	67	170	1,833	8,016
Simon.....					57	267	268	223	100	154			37	866
Andover.....		16				1,231	265	203	100	37		81	207	2,706
Leon.....						869	161	56	103	15	408		42	1,146
Dorset.....					11	2,741	51	7	11		87	45	59	3,167
Jefferson.....					28	2,312	455	183	145	39	165	8	280	3,628
Plymouth.....						116			208				12	148
Ashtabula Harbor.....	126	113			31	135			20			38	† 601,287	601,730
YOUNGSTOWN BRANCH.														
YOUNGSTOWN.....	590,121	18,508	24	24,693	104,163	191	160		12	225		1,090	10,025	749,212
Coalburg.....	4,233	39		96		168		8					16	4,560

\* Sand. † Sand and Gravel. ‡ Includes 536,645 gross tons Iron Ore.



DESCRIPTIVE STATEMENT OF FREIGHT FORWARDED FROM EACH STATION—CONTINUED.

39

STATIONS.	Coal and Coke.	Stone, Sand and Lime.	Petro- leum.	Pig, Bloom and Railroad Iron.	Other Iron and Castings.	Lumber and other Forest Products.	Animals.	Grain.	Agricultural Products (except Grain.)	Flour and Mill Products.	Provis- ions.	Manu- factures.	Mer- chandise and other Articles.	TOTAL.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Tyrell Hill	105					174			8		6		27	312
Fowler						544			907		660		53	887
Kinsman						57	589	229		39		80	232	2,527
Williamsheld						518	284	246	151	7	61	162	95	1,529
<b>SHARON BRANCH.</b>														
West Middlesex				849	17								1	867
Sharpsville				2,648										2,648
Sharon				4,134	7,208	80				43			65	11,906
Bentley														5,364
Hubbard				22,670	5,179		15					6	38	83,706
<b>DETROIT BRANCH.</b>														
Detroit	67	580		7,167	13,734	4,641	410	7,536	6,817	2,109	1,389	29,131	20,398	93,979
West Detroit	2,839	1,909	506		9,204	29,688	136	2,439	2,819	254	24	3,893	11,781	66,492
Ecorse						1,580			100				3	1,583
Wyandotte				7,042	5,824	98	22	1,738	895	119	220	29	236	13,300
Trenton		4,782			44	7,988		362	298	907		50	514	21,206
Rockwood						2,859	62	512	28		73	32	48	5,060
Newport						130								885
Stony Creek								30						30
Warner	120				1,631	1,704	263	3,605	8,012	23,046	2,188	12	408	2,256
Monroe		78				215,288		33				7,719	28,643	290,473
Vienna						31			20			279	21	85
West Toledo		24					24		24		97	4,667	1,610	2,030
Wagon Works					149	382							6,464	11,660
<b>MONROE BRANCH.</b>														
Strasburg						276	292	241					21	830
Ida						128		859	12		22	7	68	1,435
Petersburg					27	2,147		267	102			7	94	3,537
Deerfield					14	464	186	1,803	945		78	6	155	3,698
Corbus						1,875	251	78	182	19	10	56	2,187	4,366
<b>JACKSON BRANCH.</b>														
Tecumseh					76	261	440	155	644	1,493	430	435	1,232	5,166
Clinton					34	61	609	1,822	600	21	132	17	734	4,157
Manchester					52	90	807	1,284	234		307	21	600	4,327
Norvell							254		6	140	21		21	776
Napoleon						10	155	502	28		29		60	774

STATIONS.	Coal and Coke.	Stone, Sand and Lime.	Petro- leum.	Pig. Bloom and Railroad Iron.	Other Iron and Castings.	Lumber and other Forest Products.	Animals.	Grain.	Agricult' Products (except Grain.)	Flour and Mill Products.	Provis- ions.	Mann- ufactures.	Mer- chandise and other Articles.	TOTAL.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
YPSILANTI BRANCH.														
Ypsilanti.....	---	---	---	---	---	75	5	34	139	582	35	62	814	1,740
Pittsfield Junction.....	---	---	---	---	---	660	---	414	414	---	---	27	342	1,443
Saline.....	---	---	56	---	---	55	249	1,271	166	1,373	34	7	157	3,418
Bridgewater.....	---	---	---	---	---	22	43	626	21	---	89	---	41	720
Watkins.....	---	---	---	---	---	---	19	13	61	---	---	---	---	115
Brooklyn.....	---	---	---	---	---	---	239	906	107	---	122	7	201	1,642
Woodstock.....	---	---	---	---	---	---	38	97	30	---	---	---	14	195
Somerseset.....	---	---	---	---	---	---	283	384	25	---	---	---	37	729
Somerseset Centre.....	---	---	---	---	---	---	95	271	52	---	18	---	80	516
Jerome.....	---	---	---	---	---	146	273	712	27	---	24	---	66	1,248
North Adams.....	---	---	---	---	---	389	537	743	333	48	65	12	158	2,301
FT. WAYNE BRANCH														
JACKSON.....	140	79	479	---	483	7,596	545	537	245	385	47	4,427	6,931	21,574
Horton.....	---	---	---	---	---	25	431	1,313	14	7	---	---	46	1,592
Hamlet.....	---	371	---	---	---	---	---	470	88	---	26	13	65	1,464
Sony Point.....	---	11,215	---	---	---	---	---	---	---	---	---	---	---	11,115
Roshevville.....	---	213	---	---	---	---	---	---	---	---	---	---	---	---
Bankers.....	---	8,529	---	---	---	---	171	466	154	---	23	8	6	1,041
Reading.....	---	---	---	---	---	---	956	26	49	---	9	---	1,946	5,810
Montgomery.....	---	---	---	---	---	3,002	222	520	335	625	116	108	222	5,944
Raymont.....	---	1,750	---	---	---	1,321	495	1,122	467	13	82	13	142	3,697
Frederick.....	---	---	---	---	---	308	336	1,159	66	---	---	---	43	3,524
Anzola.....	---	---	---	---	---	1,110	84	1,371	189	970	113	8	180	4,822
Pleasant Lake.....	---	---	---	---	---	1,036	1,036	2,427	373	5	172	1,423	364	9,807
Summit.....	---	---	---	---	---	2,100	825	2,937	321	---	89	36	652	6,458
Auburn.....	---	---	---	---	---	877	277	1,267	13	---	13	---	72	2,329
Auburn Junction.....	---	46	51	---	---	1,301	34	1,928	43	36	6	612	335	3,368
St. Johns.....	---	---	---	---	---	1,694	---	144	26	19	68	359	377	4,950
New Era.....	---	---	---	---	---	278	74	650	14	---	---	---	13	2,271
Huntstown.....	---	---	---	---	---	741	---	---	---	---	---	---	---	711
FORT WAYNE.....	541	214	369	5,765	2,751	18,108	282	11,476	1,375	1,893	806	5,387	10,413	59,410
LANSING BRANCH.														
Litchfield.....	---	4,311	---	---	---	107	164	657	203	1,305	169	32	170	7,220
Homer.....	---	523	---	---	---	263	85	905	49	303	22	64	179	2,421
Condit.....	---	---	---	---	---	---	---	57	---	---	---	---	3	60
Albion.....	---	17	74	---	---	34	24	353	66	2,643	255	1,602	433	5,550
Devereux.....	---	---	---	---	---	---	38	817	264	---	128	---	10	1,257
Springport.....	---	---	---	---	---	278	171	1,706	592	---	194	50	168	3,188
Charlesworth.....	---	---	---	---	---	645	123	1,077	66	---	---	---	12	890
Eaton Rapids.....	---	12	---	---	---	259	123	1,081	653	64	190	66	471	2,961

## DESCRIPTIVE STATEMENT OF FREIGHT FORWARDED FROM EACH STATION—CONCLUDED.

STATIONS.	Coal and Coke.	Stone, Sand and Lime.	Petro- leum.	Pig. Bloom and Railroad Iron.	Other Iron and Castings.	Lumber and other Forest Products.	Animals.	Grain.	Agricultural Products (except Grain.)	Flour and Mill Products.	Provis- ions.	Manu- factures.	Mer- chandise and other Articles.	Total.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Kingsland	.....	.....	.....	.....	.....	124	134	579	120	13	61	.....	36	124
Dimondale	.....	.....	.....	.....	.....	33	93	383	1,705	3,082	50	3,431	1,391	983
LANSING	.....	.....	43	.....	207	21,777	.....	.....	.....	.....	.....	.....	.....	32,165
<b>KALAMAZOO DIVISION.</b>														
Constantine	.....	.....	.....	.....	.....	472	573	513	26	1,250	36	520	1,000	4,390
Florence	.....	.....	.....	.....	.....	219	29	37	430	3,814	35	943	1,619	7,367
Three Rivers	.....	12	.....	.....	266	24	5	140	150	.....	12	.....	34	365
Moorepark	.....	.....	.....	.....	.....	32	93	881	.....	.....	7	.....	.....	1,000
Flowerfield	.....	.....	.....	.....	.....	382	221	2,723	68	10	45	23	217	3,784
Schoolcraft	.....	56	.....	.....	39	889	126	3,717	293	2,966	56	2,780	2,754	14,441
KALAMAZOO.	213	34	151	.....	462	97	14	14	24	.....	.....	.....	.....	111
Cooper	.....	.....	.....	.....	.....	67	13	404	33	2,507	120	67	9	517
Argenta	.....	.....	.....	.....	.....	191	78	.....	83	34	.....	861	1,178	4,574
Plainwell	.....	.....	.....	.....	.....	298	33	785	137	.....	.....	.....	2,782	4,984
Orsego	.....	12	.....	.....	12	.....	.....	.....	.....	.....	.....	.....	.....	356
Abonia	.....	.....	.....	.....	.....	22,469	740	1,529	985	480	250	477	2,133	29,719
Allegan	.....	.....	.....	188	468	2,984	182	1,430	1,014	.....	185	13	96	5,496
Hopkins	.....	.....	.....	.....	.....	1,573	9	130	257	.....	134	10	120	2,143
Billard	.....	.....	.....	.....	.....	2,664	26	351	550	550	14	34	153	4,694
Dorr	.....	.....	.....	.....	8	3,750	.....	1,459	575	.....	.....	5	.....	12,650
Byron Centre	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12,650
Eagle Mills	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31,447
GRAND RAPIDS	.....	217	282	.....	949	1,936	98	12	225	5,913	26	8,301	13,488	.....
TOTALS.....	1,979,632	616,101	395,229	180,194	509,665	822,019	470,619	863,230	296,250	419,655	307,403	331,211	1,878,589	9,069,857

601,693 tons Iron Ore (537,230 gross tons) included with Merchandise and other articles.

## GENERAL SUMMARY OF PASSENGER BUSINESS

FOR THE YEAR ENDING DECEMBER 31, 1888.

## MOVEMENT.

	1888.	1887.	
THROUGH PASSENGERS (Buffalo and Chicago)—			
First Class .....	80,319	78,260	
Second Class .....	14,290	17,521	
Emigrant .....	8,117	12,326	
Total through .....	102,726	108,107	5,381—4.98 per cent. decrease.
WAY PASSENGERS—			
First Class .....	3,912,153	3,605,079	
Second Class .....	29,327	30,916	
Emigrant .....	7,498	8,738	
Total Way .....	3,948,978	3,644,733	304,245—8.35 per cent. increase.
Total Through and Way .....	4,051,704	3,752,840	298,864—7.96 per cent. increase.
Number of Passengers moved westward .....	2,044,357	1,905,416	138,941—7.29 per cent. increase.
Number of Passengers moved eastward .....	2,007,347	1,847,424	159,923—8.66 per cent. increase.
Total .....	4,051,704	3,752,840	298,864—7.96 per cent. increase.

## MILEAGE.

	1888.	1887.	
Number of miles traveled by through passengers .....	55,472,040	58,377,780	2,905,740—4.98 pr. ct. decrease.
Number of miles traveled by way passengers .....	154,635,058	147,383,679	7,251,379—4.92 pr. ct. increase.
Number of miles traveled by all passengers .....	210,107,098	205,761,459	4,345,639—2.11 pr. ct. increase.

	1888.	1887.
Average distance traveled by each through passenger .....	540	540
Average distance traveled by each way passenger .....	39	40½
Average distance traveled by all passengers .....	52	55

## RATES.

	1888.	1887.
Average fare from each through passenger .....	\$11.35	\$11.19
Average fare from each way passenger .....	.92	.94½
Average fare from all passengers .....	1.19	1.24
Average per mile—through passengers .....	cents 2.102	cents 2.072
Average per mile—way passengers .....	cents 2.357	cents 2.335
Average per mile—all passengers .....	cents 2.289	cents 2.260

## EARNINGS.

	1888.	1887.	
From through passengers .....	\$1,165,896 16	\$1,209,235 25	\$43,339 09—3.58 per cent. decrease.
From way passengers .....	3,644,251 32	3,441,418 34	202,832 98—5.89 per cent. increase.
Total .....	\$4,810,147 48	\$4,650,653 59	\$159,493 89—3.43 per cent. increase.
Gain in earnings from increased business in 1888 .....		\$97,766 82	
Gain in earnings from increase in rate per mile 0.029 of a cent. ....		61,727 07	
		\$159,493 89—3.43 per cent. increase.	

## STATISTICS OF PASSENGER BUSINESS—NINETEEN YEARS—1870-1888.

## MOVEMENT OF PASSENGERS.

YEAR.	THROUGH [BUFFALO AND CHICAGO].				WAY.				TOTAL THROUGH AND WAY.	WEST- WARD.	EAST- WARD.	THROUGH & [BUFFALO & CHICAGO.]	WAY.	TOTAL.
	CLASS.				CLASS.									
	Second.				Second.									
	First.	Second.	Emigr'nt.	Total.	First.	Second.	Emigr'nt.	Total.						
1870--	61,474	8,277	3,277	73,028	1,944,689	22,859	24,854	1,992,412	1,072,320	593,120	\$859,371.00	\$3,336,589.27	\$4,192,060.27	
1871--	54,259	9,094	4,530	67,883	1,955,522	24,212	18,811	1,973,545	1,037,141	989,257	799,069.79	3,207,663.79	4,006,728.58	
1872--	62,116	10,646	8,518	80,680	2,092,465	22,369	17,240	2,109,704	1,143,771	1,068,983	930,214.98	3,288,328.31	4,218,545.29	
1873--	65,577	9,687	7,031	82,295	2,713,512	22,238	27,118	2,740,630	1,464,288	1,380,875	945,072.63	3,624,629.09	4,569,729.74	
1874--	62,873	7,808	6,104	76,785	2,991,277	20,195	10,494	3,001,966	1,562,763	1,521,613	847,568.98	3,401,453.38	4,249,022.37	
1875--	58,225	5,611	4,104	68,340	3,076,497	17,423	7,374	3,093,966	1,607,456	1,562,778	759,523.24	3,163,274.64	3,922,797.88	
1876--	79,250	5,467	3,624	88,341	3,012,754	13,189	5,639	3,031,552	1,579,294	1,540,629	747,821.73	2,916,326.14	3,664,147.87	
1877--	47,682	9,260	3,178	60,120	2,660,258	14,601	7,316	2,682,175	1,382,228	1,360,067	623,623.70	3,203,199.66	3,926,399.36	
1878--	42,977	8,814	4,331	56,122	2,662,475	16,997	10,438	2,689,910	1,383,712	1,360,320	581,599.30	2,475,983.43	3,057,392.73	
1879--	44,102	7,930	4,413	60,445	2,732,120	16,746	12,810	2,744,830	1,423,817	1,398,304	582,973.31	3,138,005.59	3,926,008.90	
1880--	54,389	10,264	20,646	85,299	3,181,128	20,366	26,692	3,228,186	1,681,495	1,631,990	705,561.91	3,055,446.15	3,761,008.06	
1881--	80,781	15,229	26,689	122,699	3,500,689	25,268	33,594	3,559,551	1,880,984	1,801,022	804,572.92	3,325,602.21	4,134,788.75	
1882--	78,403	21,638	26,689	126,730	3,927,541	36,335	29,687	3,993,563	2,102,663	2,016,169	901,888.85	3,744,239.41	4,639,083.45	
1883--	75,086	17,503	9,614	102,203	3,746,235	32,767	19,788	3,766,023	1,833,910	1,735,286	811,369.76	3,322,359.41	4,133,729.17	
1884--	64,670	17,503	8,843	91,016	3,366,117	26,045	14,707	3,380,824	1,744,192	1,735,286	721,002.13	2,918,372.93	3,639,375.06	
1885--	66,246	17,503	8,843	93,651	3,587,875	27,755	6,227	3,594,077	1,865,261	1,850,247	959,706.05	3,401,453.38	4,020,549.86	
1886--	67,816	15,385	10,450	93,651	3,605,079	30,916	8,738	3,613,815	1,905,416	1,847,434	1,209,235.25	3,441,418.34	4,650,652.59	
1887--	78,260	17,521	12,826	108,607	3,912,153	29,327	7,498	3,948,978	2,044,357	2,007,317	1,165,886.16	3,644,251.32	4,810,147.48	
1888--	80,319	14,290	8,117	102,726										

## RATES.

YEAR.	THROUGH [BUFFALO & CHICAGO].		WAY.	TOTAL.	AV. DISTANCE TRAVELED BY EACH PASSENGER.			AVERAGE FARE FROM EACH PASSENGER.			AVERAGE FARE PER MILE, ALL CLASSES.		
	Through.	Way.			All. Miles.	Through.	Way.	All. Cts.	Through.	Way.	All. Cts.		
1870	39,435,120	121,064,994	160,500,114	340	61	77	\$11.72	\$1.61	\$2.03	2.17	2.75	2,612	
1871	36,656,820	106,547,587	143,204,407	340	54	70	11.77	1.62	1.96	2.18	3.01	2,708	
1872	43,567,200	118,741,295	162,308,495	340	55	74	11.53	1.54	1.92	2.14	3.01	2,509	
1873	44,439,300	134,923,573	173,363,173	340	49	63	11.48	1.31	1.60	2.13	2.69	2,542	
1874	40,120,380	133,104,192	173,224,572	340	44	56	11.41	1.12½	1.37	2.11	2.55	2,452	
1875	37,227,600	127,723,261	164,950,861	340	41	52	11.02	1.02	1.24	2.04	2.48	2,378	
1876	37,704,140	127,806,361	175,510,501	340	42	56	8.46½	.96	1.17½	1.57	2.28	2,090	
1877	32,464,800	106,651,818	138,116,618	340	39	50	10.37½	.96	1.17	1.92	2.44	2,319	
1878	30,305,880	103,396,141	133,702,021	340	38	49	10.36	.92	1.12½	1.91	2.39	2,287	
1879	32,640,300	108,522,017	141,162,317	340	39	50	9.65	.93	1.11	1.79	2.35	2,223	
1880	46,061,460	140,087,307	176,148,767	340	40	53	8.27	.95	1.13½	1.53	2.35	2,135	
1881	65,963,700	141,989,515	207,953,215	340	39½	56½	6.99	.93¾	1.12	1.222	2.34½	1,998	
1882	59,705,200	158,453,698	227,953,938	340	40	55	8.55	.96	1.19	1.58	2.40	2,157	
1883	59,705,640	156,004,515	215,715,155	340	41	50	8.99	.95½	1.21	1.66	2.40	2,196	
1884	49,504,980	140,988,872	190,503,852	340	40	52½	8.84	.94	1.14	1.64	2.36	2,170	
1885	46,331,680	140,448,628	191,593,852	340	39½	51	10.25	.86	1.08	1.56	2.24	2,083	
1886	50,571,540	141,021,628	191,593,135	340	39	51½	10.25	.84	1.08	1.50	2.17	2,058	
1887	58,377,780	147,335,679	205,761,459	340	40½	52	11.19	.94½	1.19	2.07	2.34	2,260	
1888	55,472,040	154,633,058	210,107,098	340	39	52	11.35	.92	1.19	2.10	2.36	2,289	

**NUMBER OF PASSENGERS LEAVING EACH STATION,  
AND REVENUE DERIVED THEREFROM.**

STATIONS.	NUMBER OF PASSENGERS.			REVENUE.		
	1888.	1887.	1886.	1888.	1887.	1886.
<b>Main Line.</b>						
Buffalo.....	240,613	228,621	214,520	\$1,123,857	\$1,159,697	\$882,629
West Seneca.....	2,556	1,736	1,295	355	263	191
Bay View.....	367	285	260	104	78	82
West Hamburg.....	2,137	1,721	1,411	583	517	450
Lake View.....	2,983	2,156	1,355	905	643	473
Derby.....	4,469	3,888	3,626	1,102	1,027	895
Angola.....	9,019	8,079	8,032	3,884	3,632	3,433
Farnham.....	2,983	2,431	1,957	887	677	605
Irving.....	1,920	1,646	1,605	756	656	668
Silver Creek.....	12,156	11,028	10,535	6,282	5,701	5,398
Sheridan.....	823	729	820	248	130	169
Dunkirk.....	42,292	42,903	38,908	44,779	40,052	36,643
Van Buren.....	367	350	124	98	96	49
Brocton.....	18,111	12,886	12,150	23,245	14,610	12,263
Westfield.....	14,538	11,414	10,530	9,423	8,536	8,141
Ripley Crossing.....	1,186	625	567	304	155	157
Ripley.....	6,434	5,674	5,574	2,650	2,286	2,160
State Line.....	2,537	2,215	2,410	803	695	734
North East.....	22,054	19,332	18,819	11,532	10,634	9,695
Moorhead.....	2,563	2,436	2,626	622	590	860
Harbor Creek.....	4,440	3,966	4,576	1,068	910	1,068
Wesleyville.....	1,945	1,813	1,410	302	232	199
Erie.....	98,233	87,910	82,056	112,367	104,707	86,733
Swanville.....	2,994	2,440	2,510	680	604	594
Fairview.....	6,059	5,427	5,652	1,912	1,710	1,792
Girard.....	33,731	32,025	29,904	19,359	19,140	12,541
Springfield.....	1,367	1,051	1,046	808	664	653
Conneaut.....	13,527	11,352	12,111	12,307	10,859	9,459
Amboy.....	575	490	292	156	150	322
Kingsville.....	5,481	3,950	3,650	2,262	2,032	1,967
Ashtabula.....	57,955	51,680	45,679	48,815	44,695	35,766
Saybrook.....	1,337	1,171	1,210	477	463	366
Geneva.....	21,788	18,614	20,461	14,752	13,381	11,621
Unionville.....	3,647	3,363	3,075	1,327	1,428	1,164
Madison.....	9,844	9,829	9,429	4,314	4,264	4,153
Perry.....	6,304	6,474	6,103	2,246	2,047	1,956
Lane.....	1,065	767	773	197	182	160
Painesville.....	53,753	47,921	45,799	42,126	39,595	33,913
Heisley.....	278	243	274	103	86	109
Mentor.....	7,618	6,383	6,953	3,129	2,772	2,790
Reynolds.....	286	293	346	81	92	88
Willoughby.....	18,013	16,568	17,039	7,889	7,703	7,018
Wickliffe.....	3,935	3,135	2,785	1,101	843	833
Noble.....	2,364	2,069	1,676	493	415	358
Nottingham.....	12,196	11,085	8,977	2,474	2,195	1,928
Collinwood.....	13,934	11,827	10,404	3,240	2,665	2,397
Coits.....	8,389	8,253	5,712	823	908	566
Glenville.....	7,124	6,531	5,955	926	946	929
Cleveland.....	348,415	295,193	271,274	687,796	671,543	603,776
West Cleveland.....	709	689	688	154	158	132
Rockport.....	2,407	2,036	1,675	545	451	405
Berea.....	15,243	13,996	12,791	8,208	7,777	7,460
Olmsted Falls.....	6,545	6,477	6,506	2,558	2,572	2,471
Shawville.....	4,014	3,620	3,834	1,461	1,284	1,283
Elyria.....	67,054	59,922	59,603	45,201	42,521	37,794
Oberlin.....	35,672	34,402	34,430	27,903	25,880	23,582
Kipton.....	6,102	5,298	5,984	2,420	2,376	2,500
Wakeman.....	7,956	7,164	7,909	4,276	3,797	4,343
Collins.....	4,913	4,432	4,459	1,937	1,749	1,753
Norwalk.....	35,273	32,793	33,739	27,819	25,954	23,912
Monroeville.....	20,512	19,397	21,402	14,650	14,288	14,436
Bellevue.....	12,642	13,360	15,224	8,633	7,952	9,031
Clyde.....	18,447	18,703	19,955	14,907	15,134	16,195
Fremont.....	33,783	34,530	32,895	35,974	35,370	30,667
Lindsey.....	8,672	6,396	5,939	1,781	1,753	1,620
Elmore.....	12,765	11,945	11,601	5,337	5,116	5,018
Genoa.....	10,513	9,214	9,149	3,760	3,271	3,171
Millbury.....	4,913	5,241	5,603	1,465	1,592	1,559
East Toledo.....	2,001	1,581	1,724	1,200	979	807

## NUMBER OF PASSENGERS LEAVING EACH STATION—CONTINUED.

STATIONS.	NUMBER OF PASSENGERS.			REVENUE.		
	1888.	1887.	1886.	1888.	1887.	1886.
Amherst .....	12,637	11,297	10,337	\$5,039	\$4,080	\$4,176
Brownhelm .....	3,666	3,285	3,331	1,064	993	1,000
Vermillion .....	13,809	13,096	10,518	6,324	6,172	5,379
Ceylon .....	4,812	4,750	5,049	2,426	2,521	2,531
Huron .....	10,759	8,375	5,300	4,570	3,596	3,782
Sandusky .....	52,724	42,799	39,892	46,749	41,897	38,635
Venice .....	1,433	1,597	1,225	455	513	391
Marblehead Junction .....	14,832	12,789	3,799	5,891	5,560	1,189
Gypsum .....	5,366	4,792	4,394	1,538	1,288	1,306
Port Clinton .....	20,196	13,759	16,110	9,432	8,377	7,322
LaCame .....	2,163	2,232	2,020	705	776	660
Oak Harbor .....	9,061	8,708	8,068	4,446	3,929	3,735
Rocky Ridge .....	3,743	3,548	3,647	1,318	1,256	1,305
Graytown .....	4,909	4,470	3,898	2,110	1,814	1,619
Martin .....	3,498	2,921	2,535	1,470	1,233	1,143
Toledo .....	188,704	166,925	181,570	281,187	270,556	268,937
Air Line Junction .....	3,599	3,331	2,599	1,964	2,054	1,262
Richards .....	559	430	663	151	157	150
Sylvania .....	7,238	7,667	7,203	2,385	2,561	2,609
Ottawa Lake .....	3,276	3,518	2,988	1,288	1,249	1,244
Riga .....	3,077	3,210	3,056	1,119	1,110	1,078
Blissfield .....	12,263	11,851	10,377	5,875	5,226	5,185
Grosvenor .....	7,772	12,102	8,509	3,217	3,995	4,173
Palmyra .....	2,486	2,828	2,098	844	816	702
Lenawee .....	8,563	8,731	7,936	3,839	4,221	3,733
Adrian .....	60,535	58,660	58,441	53,897	50,094	48,543
Clayton .....	7,174	6,142	6,398	3,223	2,894	3,093
Hudson .....	21,979	17,186	18,011	16,342	14,455	13,975
Pittsford .....	5,481	5,293	5,465	3,036	3,168	3,009
Osseo .....	2,595	2,902	2,929	1,198	1,293	1,336
Hillsdale .....	63,702	59,271	65,833	47,441	45,374	41,442
Jonesville .....	27,480	29,581	29,200	12,821	13,450	12,348
Allen .....	2,445	2,766	2,753	1,652	1,721	1,863
Quincy .....	10,294	10,363	10,769	7,999	8,285	8,098
Coldwater .....	30,472	29,028	29,795	32,578	30,636	28,638
Batavia .....	1,248	1,231	1,142	665	615	684
Bronson .....	10,849	9,864	9,617	6,586	6,709	6,220
Burr Oak .....	7,769	7,755	7,514	4,039	4,093	3,794
Sturgis .....	18,044	16,990	16,218	14,572	13,999	12,971
Klinger Lake .....	1,750	2,105	1,979	640	813	743
White Pigeon .....	21,310	20,176	20,236	13,970	12,939	13,371
Vistula .....	2,303	2,271	2,216	1,424	1,139	1,192
Bristol .....	6,051	5,689	5,937	2,148	1,955	2,002
Elkhart .....	33,526	78,822	69,233	73,027	68,962	60,133
Holland .....	3,549	3,232	2,839	1,191	1,039	935
Swanton .....	11,170	9,934	9,551	5,214	4,490	4,201
Delta .....	11,618	11,104	12,240	5,923	5,937	6,625
Vauseon .....	22,394	20,162	19,570	13,867	13,114	11,786
Pettisville .....	3,657	3,545	3,646	1,250	1,252	1,308
Archbald .....	8,235	7,550	6,594	4,481	4,092	3,388
Stryker .....	8,980	7,951	7,591	4,552	4,352	4,322
Bryan .....	21,436	20,684	17,735	17,220	15,774	14,423
Melbern .....	1,075	813	1,117	385	284	401
Edgerton .....	8,262	7,637	7,965	4,745	4,722	4,775
Butler .....	11,911	11,646	9,331	7,915	7,209	6,152
Waterloo .....	30,140	26,359	24,131	14,691	13,063	12,635
Sedan .....	204	19	.....	49	4	.....
Corunna .....	3,851	3,593	3,929	1,484	1,446	1,471
Kendallville .....	20,392	16,432	17,129	15,160	13,636	13,127
Brimfield .....	2,221	1,679	2,045	1,206	1,014	1,032
Wawaka .....	1,849	1,774	2,149	964	861	886
Ligonio .....	13,673	10,705	10,784	10,369	9,290	7,958
Millersburg .....	3,114	2,593	3,117	1,252	1,067	1,157
Goshen .....	40,875	31,393	31,991	25,682	21,119	21,219
Dunlap .....	1,079	746	1,102	193	135	193
Osceola .....	1,437	1,440	3,171	398	341	478
Mishawaka .....	8,122	8,181	6,969	4,884	4,475	4,472
South Bend .....	50,422	45,700	41,529	54,859	50,037	45,131
Warren .....	827	789	804	255	214	253
Terre Coupee .....	579	524	530	215	206	260
New Carlisle .....	8,804	7,948	8,043	4,651	4,225	4,143
Rolling Prairie .....	5,067	4,524	5,144	1,987	1,808	2,078

## NUMBER OF PASSENGERS LEAVING EACH STATION—CONTINUED.

STATIONS.	NUMBER OF PASSENGERS.			REVENUE.		
	1888.	1887.	1886.	1888.	1887.	1886.
LaPorte	32,132	31,320	30,140	\$ 32,640	\$ 29,499	\$ 27,566
Durham	334	381	388	153	101	233
Otis	5,753	7,796	6,907	3,769	4,564	4,215
Burdick	854	736	851	338	804	380
Chesterton	5,410	4,965	4,482	3,835	3,585	3,205
Millers	1,999	1,612	1,338	1,172	1,021	841
Pine	108	124	222	51	58	102
Whiting	6,694	3,933	2,918	1,435	936	727
Colehour	18,161	16,114	11,870	2,946	2,649	2,098
100th Street	9,903	9,919	8,759	1,342	1,445	1,411
South Chicago	27,105	26,029	26,586	6,218	6,853	6,712
Grand Crossing	21,417	18,268	16,760	5,701	5,622	4,082
Brookline	5,834	6,652	1,943	595	681	211
Englewood	18,350	21,794	26,045	9,706	9,257	7,482
Chicago	211,778	194,210	199,633	899,682	882,454	717,120
Chicago (city travel)	378,430	390,731	450,610			
Franklin Branch.						
Oil City	13,537	13,813	14,500	6,879	7,182	7,129
Reno	2,543	1,177	1,194	342	169	154
Run	227	260	240	32	37	37
Franklin	16,321	15,954	19,147	8,835	8,310	8,753
Summit	213	275	197	52	63	52
Polk	2,325	2,460	2,215	634	656	625
Raymilton	3,925	3,929	3,434	1,265	1,222	1,139
Sandy Lake	8,153	7,456	7,591	2,560	2,308	2,608
Stoneboro	10,389	9,579	9,033	4,128	4,076	3,737
Clark	2,149	1,775	1,799	703	572	515
Hadley	3,167	2,758	2,678	1,096	1,026	990
Salem	446	368	443	154	130	142
Amasa	2,430	2,278	2,616	1,083	1,103	1,391
Osgood	21			12		
Jamestown	5,057	4,879	4,259	3,184	3,292	3,087
Turner	327	267	225	62	62	63
Simon	1,214	625	619	415	193	198
Andover	13,749	12,920	11,313	6,644	5,729	5,505
Leon	4,190	4,392	3,139	1,238	1,249	1,153
Dorset	3,807	3,782	3,082	1,276	1,185	1,088
Jefferson	22,073	19,269	18,431	9,221	8,222	7,859
Griggs	582	544	672	148	127	150
Plymouth	938	879	692	115	116	119
Sharon Branch.						
Sharon	2,426			690		
State Line	5			4		
Bentleys	329			65		
Hubbard	1,812			348		
Youngstown Branch.						
Youngstown	17,834	16,717	16,982	32,218	24,683	22,210
Thorn Hill	76	30	12	16	12	2
Doughton	1,371	372	231	309	90	57
Coalburg	3,015	3,375	3,114	761	872	808
Brookfield	598	531	410	201	170	133
Tyrell Hill	1,395	1,502	1,380	568	659	574
Fowler	1,139	1,271	1,375	434	477	452
Latimer	2,001	1,415	1,564	775	516	511
Kinsman	4,828	4,517	4,076	2,732	2,485	2,495
Dewey	271	253	225	70	51	50
Stanhope	217	161	181	43	124	47
Williamsfield	4,406	4,951	5,008	1,691	1,657	1,878
Detroit Branch.						
Detroit	54,085	45,445	47,746	87,702	70,699	72,835
Woodward Av.	2,843	2,623		3,191	2,930	
West Detroit	3,324	2,796	2,686	4,727	2,487	2,009
Woodmere	426	515	792	152	150	147
Ecorces	2,296	1,624	1,796	655	463	485



## NUMBER OF PASSENGERS LEAVING EACH STATION—CONTINUED.

STATIONS.	NUMBER OF PASSENGERS.			REVENUE.		
	1888.	1887.	1886.	1888.	1887.	1886.
Wyandotte.....	10,239	8,608	9,245	\$ 3,624	\$ 3,089	\$ 2,994
Trenton.....	9,583	7,565	7,003	3,521	2,669	2,541
Chandler.....	6,325	6,037	5,479	2,590	2,462	2,718
Rockwood.....	4,095	4,485	4,466	2,206	2,038	2,054
Newport.....	4,373	4,418	3,923	1,488	1,425	1,406
Stony Creek.....	797	719	1,053	234	206	254
Monroe.....	26,250	24,417	27,075	16,821	15,614	15,637
La Salle.....	338	550	656	100	168	193
Vienna.....	1,897	1,699	1,623	640	571	642
Alexis.....	385	253	294	144	88	106
West Toledo.....	672	592	421	335	263	187
Wagon Works.....	10,714	9,726	19,506	5,083	3,074	2,053
Monroe Branch.						
Strasburg.....	1,193	990	931	275	250	213
Ida.....	2,327	2,849	2,831	1,159	1,127	1,179
Federman.....	2,304	1,738	1,767	763	604	646
Petersburg.....	5,497	5,234	5,809	2,587	2,266	2,793
Deerfield.....	5,825	5,514	5,429	2,502	2,313	2,333
Corbus.....	1,108	1,063	963	335	307	342
Sisson.....	729	971	1,099	156	213	211
Wellsville.....	461	468	515	129	120	137
Jackson Branch.						
Raisin Center.....	1,059	1,170	783	314	361	244
Sutton.....	465	376	515	301	190	243
Tacumseh.....	17,307	15,843	17,312	10,842	9,784	9,412
Clinton.....	8,298	7,851	7,931	3,932	3,702	3,687
River Raisin.....	262	329	337	98	110	122
Manchester.....	10,704	10,725	12,472	5,965	5,769	5,959
Norvell.....	2,506	2,366	2,530	972	833	979
Napoleon.....	5,114	5,185	4,803	2,030	1,866	1,870
Eldred.....	241	165	207	61	52	69
Jackson.....	42,596	40,369	43,233	43,461	41,031	43,113
Ypsilanti Branch.						
Ypsilanti.....	4,916	4,936	4,524	4,611	3,988	3,509
Pittsfield.....	1,897	2,134	1,932	752	966	890
Saline.....	3,461	3,470	3,273	1,455	1,554	1,532
Bridgewater.....	1,015	930	1,009	355	316	330
Watkins.....	233	185	222	114	90	93
Brooklyn.....	2,000	1,984	2,056	1,321	1,322	1,369
Woodstock.....	302	281	456	154	124	207
Somerset.....	757	709	804	416	390	436
Somerset Center.....	1,102	1,005	1,176	477	432	517
Jerome.....	2,219	2,380	2,842	780	800	970
North Adams.....	4,426	4,010	3,964	1,474	1,340	1,341
Ft. Wayne Branch.						
Wilsons.....	258	158	333	49	47	85
Horton.....	4,667	4,384	4,136	1,270	1,206	1,331
Hanover.....	6,764	6,433	6,740	2,513	2,468	2,599
Stony Point.....	817	681	597	225	216	241
Mosherville.....	2,140	2,061	1,909	671	679	710
Bankers.....	1,324	1,351	1,583	377	363	438
Reading.....	8,507	7,626	7,454	4,755	4,613	4,669
Montgomery.....	2,829	2,899	2,600	1,476	1,500	1,568
Ray.....	2,152	2,342	1,802	907	922	998
Fremont.....	6,568	6,286	5,333	3,065	2,873	3,199
Angola.....	16,941	14,634	12,223	9,846	9,427	9,604
Pleasant Lake.....	7,567	5,963	4,501	2,668	2,275	2,385
Summit.....	3,248	2,635	2,432	1,072	947	1,070
Auburn.....	17,051	12,918	10,771	6,380	5,355	5,032
Auburn Junction.....	6,692	5,798	5,180	3,721	3,616	3,588
St. Johns.....	594	417	398	141	105	108
New Era.....	1,896	1,419	910	533	449	368
Stoners.....	467	463	378	160	170	168
Huntertown.....	830	571	499	270	210	207

## NUMBER OF PASSENGERS LEAVING EACH STATION—CONCLUDED.

STATIONS.	NUMBER OF PASSENGERS.			REVENUE.		
	1888.	1887.	1886.	1888.	1887.	1886.
Carrolls.....	385	276	206	\$ 101	\$ 83	\$ 67
Academie.....	1,098	838	665	308	297	330
Ft. Wayne.....	21,669	15,809	15,981	22,150	17,421	17,832
Lansing Branch.						
Litchfield.....	7,525	7,892	7,943	2,996	3,173	3,117
Homer.....	8,679	8,718	8,571	3,974	4,074	4,033
Condit.....	346	322	419	88	89	106
Albion.....	13,098	13,064	13,567	6,741	6,996	6,758
Devereux.....	1,240	1,378	1,669	424	447	506
Springport.....	5,547	5,370	5,883	2,535	2,538	2,799
Charlesworth.....	1,335	1,526	1,663	415	496	532
Baton Rapids.....	9,162	9,541	10,405	6,195	6,248	6,520
Kingsland.....	366	388	425	96	110	119
Dimondale.....	3,286	3,126	3,203	1,470	1,298	1,386
Packard.....	75	109	135	23	48	32
South Lansing.....	45	111	23	37	97	16
Lansing.....	12,862	12,826	12,392	13,177	13,680	13,149
North Lansing.....	589	531	404	487	546	479
Kalamazoo Division.						
Constantine.....	11,022	10,148	9,025	4,963	4,673	4,092
Florence.....	405	255	275	85	67	67
Three Rivers.....	19,161	18,790	17,005	10,914	10,814	9,576
Moorepark.....	1,424	1,687	1,759	539	626	602
Flowerfield.....	1,066	1,209	1,224	417	471	447
Schoolcraft.....	9,367	9,456	9,240	4,586	4,420	4,833
Portage.....	1,330	1,695	2,117	314	471	487
Kalamazoo.....	31,949	32,242	32,768	27,221	25,436	24,902
Cooper.....	649	646	684	189	181	185
Argenta.....	1,110	1,092	1,201	336	295	352
Plainwell.....	7,763	8,135	8,076	3,403	3,755	3,833
Otsego.....	10,540	10,627	8,416	4,586	4,355	3,405
Abronia.....	812	704	807	302	290	296
Allegan.....	22,174	22,250	19,707	15,189	14,291	13,915
Hopkins.....	6,047	5,742	5,154	2,604	2,619	2,425
Hilliards.....	2,826	2,583	2,192	1,246	1,265	1,104
Dorr.....	5,368	4,690	4,014	2,669	2,482	2,275
Byron Center.....	6,169	6,089	5,211	2,523	2,340	2,044
Grandville.....	427	412	358	144	125	146
Eagle Mills.....	318	377	314	42	57	63
Grand Rapids.....	23,288	24,415	21,495	31,012	26,089	25,891

## PASSENGER TRAIN EARNINGS AND MILEAGE.

LINES.	MILES OPERATED.	REVENUE.						PASSENGER TRAINS, TOTAL MILEAGE.		AVERAGE EARNINGS PER TRAIN MILE.	
		From Passengers.		From Mails, Express and Baggage.		TOTAL.		1888.	1887.	1888.	1887.
		1888.	1887.	1888.	1887.	1888.	1887.	1888.	1887.	1888.	1887.
L. S. & M. S. Ry. and Branches.....	867.28	\$4,385,024	\$4,244,389	\$1,250,276	\$1,168,543	\$5,635,300	\$5,412,932	3,005,556	2,822,385	\$1.82.04	\$1.91.79
Mahoning Cent. R. R. ....	42.06	26,882	22,828	7,292	6,792	34,174	29,620	51,506	63,769	.66.23	.46.36
Jamestown & Franklin R. R. ....	50.91	26,177	25,645	5,022	5,302	31,199	30,947	31,926	32,164	.97.72	.96.21
Detroit, Monroe & Toledo R. R. ....	62.36	121,573	115,380	20,388	19,549	141,961	134,929	134,066	126,390	1.05.89	1.06.75
Kalamazoo, Allegan & Grand Rapids } and Kal. & White Pigeon R. R. }	94.99	104,449	100,813	18,790	19,776	123,239	120,589	121,450	120,578	1.01.47	1.00.00
Northern Central Michigan R. R. ....	61.14	42,192	43,388	4,882	4,718	47,074	48,105	41,415	41,573	1.13.66	1.15.71
Fort Wayne & Jackson R. R. ....	97.83	86,592	81,215	11,473	11,237	98,065	92,452	126,751	126,448	.77.37	.73.11
Detroit, Hillsdale & So. Western R. R. ....	65.20	17,259	16,996	4,747	4,673	22,006	21,670	38,037	38,071	.57.85	.57.00
TOTALS.....	1,341.77	\$4,810,148	\$4,650,654	\$1,922,870	\$1,240,530	\$6,133,018	\$5,891,184	3,640,767	3,371,318		
Average.....										\$1.68.45	\$1.74.74

## EARNINGS OF L. S. &amp; M. S. SYSTEM BY ROADS.

R O A D.	Miles.	EARNINGS.		PER MILE.	
		1888.	1887.	1888.	1887.
Lake Shore & Michigan Southern Railway and branches.....	866.29	\$16,440,293.31	\$17,105,211.68	\$18,977.82	\$19,777.78
Mahoning Coal Railroad.....	43.05	355,962.70	333,275.74	8,268.59	7,741.59
Jamestown & Franklin Railroad.....	50.91	135,251.14	126,618.55	2,656.67	2,487.10
Detroit, Monroe & Toledo Railroad.....	62.36	512,917.77	527,537.71	8,225.11	8,459.55
Kalamazoo, Allegan & Grand Rapids Railroad.....	58.42	149,930.86	152,887.75	2,566.43	2,617.04
Kalamazoo & White Pigeon Railroad.....	36.57	101,115.40	103,586.24	2,764.98	2,832.55
Northern Central Michigan Railroad.....	61.14	94,429.97	108,320.76	1,544.48	1,771.68
Ft. Wayne & Jackson Railroad.....	97.83	204,315.52	214,881.99	2,088.48	2,196.49
Detroit, Hillsdale & South-western Railroad.....	65.20	35,409.69	38,642.73	542.94	592.68
Total.....	1,341.77	\$18,029,927.36	\$18,710,963.15	\$13,437.19	\$13,959.75

# Chronological List of Directors, 1869-1889.

First election June 2, 1869 (consolidation). Annual elections thereafter first Wednesday in May.

	NAME.	FROM	TO	DATE OF DEATH.
1	HORACE F. CLARK.....	June 2, 1869	June 19, 1873	June 19, 1873
2	JAMES H. BANKER.....	June 2, 1869	May 6, 1874	Feb. 10, 1885
3	LE GRAND LOCKWOOD.....	June 2, 1869	Oct. 5, 1869	Feb. 24, 1872
4	WILLIAM WILLIAMS.....	June 2, 1869	May 5, 1875	Sept. 10, 1870
5	ELIJAH B. PHILLIPS.....	June 2, 1869	May 4, 1870	-----
6	JOHN H. DEVEREUX.....	June 2, 1869	May 4, 1870	Mar. 17, 1886
7	HENRY B. PAYNE.....	June 2, 1869	Nov. 29, 1882	-----
8	GEORGE B. ELY.....	June 2, 1869	Aug. 18, 1869	May 18, 1877
9	JEPHTHA H. WADE.....	June 2, 1869	Jan. 13, 1870	-----
	“ “ 2d time.....	May 2, 1883	-----	-----
10	WILLIAM L. SCOTT.....	June 2, 1869	-----	-----
11	MILTON COURTRIGHT.....	June 2, 1869	May 1, 1872	April 25, 1883
12	JEROME W. WETMORE.....	June 2, 1869	Oct. 14, 1869	-----
13	ALBERT KEEP.....	June 2, 1869	May 2, 1883	-----
14	AMASA STONE.....	Aug. 18, 1869	Nov. 29, 1882	May 11, 1883
15	ALANSON ROBINSON.....	Oct. 5, 1869	May 4, 1870	May 27, 1870
16	AUGUSTUS SCHELL.....	Oct. 14, 1869	Mar. 27, 1884	Mar. 27, 1884
17	STILLMAN WITT.....	Jan. 13, 1870	April 29, 1875	April 29, 1875
18	JOHN A. TRACY.....	May 4, 1870	Feb. 27, 1875	Feb. 27, 1875
19	AZARIAH BOODY.....	May 4, 1870	May 6, 1874	Nov. 18, 1885
20	WILLIAM D. BISHOP.....	May 3, 1871	July 1, 1873	-----
21	CHARLES M. REED.....	May 1, 1872	-----	-----
22	COMMODORE C. VANDERBILT.....	July 1, 1873	Jan. 4, 1877	Jan. 4, 1877
23	WILLIAM H. VANDERBILT.....	July 1, 1873	Dec. 8, 1885	Dec. 8, 1885
24	SAMUEL F. BARGER.....	May 6, 1874	-----	-----
25	EUGENE N. ROBINSON.....	May 6, 1874	May 5, 1875	-----
26	ROBERT L. CRAWFORD.....	May 5, 1875	May 2, 1877	-----
27	JUDAH C. SPENCER.....	May 5, 1875	May 3, 1876	Sept. 1, 1885
28	J. CONDIT SMITH.....	May 5, 1875	May 3, 1876	Nov. 9, 1883
29	JOHN E. BURRILL.....	May 5, 1875	-----	-----
30	FRANCIS P. FREEMAN.....	May 3, 1876	June 19, 1879	-----
31	ANDREW D. WHITE.....	May 3, 1876	May 1, 1878	-----
32	CORNELIUS VANDERBILT.....	May 2, 1877	-----	-----
33	WILLIAM K. VANDERBILT.....	May 2, 1877	-----	-----
34	RASSELLAS BROWN.....	May 1, 1878	-----	-----
35	DARIUS O. MILLS.....	June 19, 1879	-----	-----
36	JOHN NEWELL.....	April 13, 1883	-----	-----
37	EDWIN D. WORCESTER.....	April 13, 1883	-----	-----
38	FREDERICK W. VANDERBILT.....	May 7, 1884	-----	-----
39	JOHN DE KOVEN.....	May 5, 1886	-----	-----